

SEQUENCE LISTING

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<120> METHODS AND COMPOSITIONS FOR TREATING
CERVICAL CANCER

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<400> 103
 Gly Ile Ser Ser Leu Gly Arg Lys Thr Pro Gly Pro Lys Asp Arg Ile
 1 5 10 15
 Val Met Glu Val Thr Leu Asn Lys Glu Pro Arg Val Gly Leu Gly Ile
 20 25 30
 Gly Ala Cys Cys Leu Ala Leu Glu Asn Ser Pro Pro Gly Ile Tyr Ile
 35 40 45
 His Ser Leu Ala Pro Gly Ser Val Ala Lys Met Glu Ser Asn Leu Ser
 50 55 60
 Arg Gly Asp Gln Ile Leu Glu Val Asn Ser Val Asn Val Arg His Ala
 65 70 75 80
 Ala Leu Ser Lys Val His Ala Ile Leu Ser Lys Cys Pro Pro Gly Pro
 85 90 95
 Val Arg Leu Val Ile Gly Arg His Pro Asn Pro Lys Val Ser Glu Gln
 100 105 110
 Glu Met Asp Glu Val Ile Ala Arg Ser Thr Tyr Gln Glu Ser Lys Glu
 115 120 125
 Ala Asn Ser Ser
 130

<210> 104
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 104
 Gln Ser Glu Asn Glu Glu Asp Val Cys Phe Ile Val Leu Asn Arg Lys
 1 5 10 15
 Glu Gly Ser Gly Leu Gly Phe Ser Val Ala Gly Gly Thr Asp Val Glu
 20 25 30
 Pro Lys Ser Ile Thr Val His Arg Val Phe Ser Gln Gly Ala Ala Ser
 35 40 45
 Gln Glu Gly Thr Met Asn Arg Gly Asp Phe Leu Leu Ser Val Asn Gly
 50 55 60
 Ala Ser Leu Ala Gly Leu Ala His Gly Asn Val Leu Lys Val Leu His
 65 70 75 80
 Gln Ala Gln Leu His Lys Asp Ala Leu Val Val Ile Lys Lys Gly Met
 85 90 95
 Asp Gln Pro Arg Pro Ser Asn Ser Ser
 100 105

<210> 105
 <211> 101

<212> PRT

<213> Homo sapiens

<400> 105

Leu Gly Arg Ser Val Ala Val His Asp Ala Leu Cys Val Glu Val Leu
1 5 10 15
Lys Thr Ser Ala Gly Leu Gly Leu Ser Leu Asp Gly Gly Lys Ser Ser
20 25 30
Val Thr Gly Asp Gly Pro Leu Val Ile Lys Arg Val Tyr Lys Gly Gly
35 40 45
Ala Ala Glu Gln Ala Gly Ile Ile Glu Ala Gly Asp Glu Ile Leu Ala
50 55 60
Ile Asn Gly Lys Pro Leu Val Gly Leu Met His Phe Asp Ala Trp Asn
65 70 75 80
Ile Met Lys Ser Val Pro Glu Gly Pro Val Gln Leu Leu Ile Arg Lys
85 90 95
His Arg Asn Ser Ser
100

<210> 106

<211> 74

<212> PRT

<213> Homo sapiens

<400> 106

Gln Thr Val Ile Leu Pro Gly Pro Ala Ala Trp Gly Phe Arg Leu Ser
1 5 10 15
Gly Gly Ile Asp Phe Asn Gln Pro Leu Val Ile Thr Arg Ile Thr Pro
20 25 30
Gly Ser Lys Ala Ala Ala Asn Leu Cys Pro Gly Asp Val Ile Leu
35 40 45
Ala Ile Asp Gly Phe Gly Thr Glu Ser Met Thr His Ala Asp Gly Gln
50 55 60
Asp Arg Ile Lys Ala Ala Glu Phe Ile Val
65 70

<210> 107

<211> 85

<212> PRT

<213> Homo sapiens

<400> 107

Ile Leu Val Glu Val Gln Leu Ser Gly Gly Ala Pro Trp Gly Phe Thr
1 5 10 15
Leu Lys Gly Gly Arg Glu His Gly Glu Pro Leu Val Ile Thr Lys Ile
20 25 30
Glu Glu Gly Ser Lys Ala Ala Ala Val Asp Lys Leu Leu Ala Gly Asp
35 40 45
Glu Ile Val Gly Ile Asn Asp Ile Gly Leu Ser Gly Phe Arg Gln Glu
50 55 60
Ala Ile Cys Leu Val Lys Gly Ser His Lys Thr Leu Lys Leu Val Val
65 70 75 80
Lys Arg Asn Ser Ser
85

<210> 108

<211> 104

<212> PRT

<213> Homo sapiens

<400> 108

Arg Glu Lys Pro Leu Phe Thr Arg Asp Ala Ser Gln Leu Lys Gly Thr
1 5 10 15
Phe Leu Ser Thr Thr Leu Lys Lys Ser Asn Met Gly Phe Gly Phe Thr
20 25 30
Ile Ile Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Val Lys Ser Val
35 40 45
Ile Pro Asp Gly Pro Ala Ala Gln Asp Gly Lys Met Glu Thr Gly Asp
50 55 60
Val Ile Val Tyr Ile Asn Glu Val Cys Val Leu Gly His Thr His Ala
65 70 75 80
Asp Val Val Lys Leu Phe Gln Ser Val Pro Ile Gly Gln Ser Val Asn
85 90 95
Leu Val Leu Cys Arg Gly Tyr Pro
100

<210> 109

<211> 91

<212> PRT

<213> Homo sapiens

<400> 109

Leu Ser Gly Ala Thr Gln Ala Glu Leu Met Thr Leu Thr Ile Val Lys
1 5 10 15
Gly Ala Gln Gly Phe Gly Phe Thr Ile Ala Asp Ser Pro Thr Gly Gln
20 25 30
Arg Val Lys Gln Ile Leu Asp Ile Gln Gly Cys Pro Gly Leu Cys Glu
35 40 45
Gly Asp Leu Ile Val Glu Ile Asn Gln Gln Asn Val Gln Asn Leu Ser
50 55 60
His Thr Glu Val Val Asp Ile Leu Lys Asp Cys Pro Ile Gly Ser Glu
65 70 75 80
Thr Ser Leu Ile Ile His Arg Gly Gly Phe Phe
85 90

<210> 110

<211> 93

<212> PRT

<213> Homo sapiens

<400> 110

His Tyr Lys Glu Leu Asp Val His Leu Arg Arg Met Glu Ser Gly Phe
1 5 10 15
Gly Phe Arg Ile Leu Gly Gly Asp Glu Pro Gly Gln Pro Ile Leu Ile
20 25 30
Gly Ala Val Ile Ala Met Gly Ser Ala Asp Arg Asp Gly Arg Leu His
35 40 45
Pro Gly Asp Glu Leu Val Tyr Val Asp Gly Ile Pro Val Ala Gly Lys
50 55 60
Thr His Arg Tyr Val Ile Asp Leu Met His His Ala Ala Arg Asn Gly
65 70 75 80
Gln Val Asn Leu Thr Val Arg Arg Lys Val Leu Cys Gly
85 90

<210> 111

<211> 106

<212> PRT

<213> Homo sapiens

<400> 111
Glu Gly Arg Gly Ile Ser Ser His Ser Leu Gln Thr Ser Asp Ala Val
1 5 10 15
Ile His Arg Lys Glu Asn Glu Gly Phe Gly Phe Val Ile Ile Ser Ser
20 25 30
Leu Asn Arg Pro Glu Ser Gly Ser Thr Ile Thr Val Pro His Lys Ile
35 40 45
Gly Arg Ile Ile Asp Gly Ser Pro Ala Asp Arg Cys Ala Lys Leu Lys
50 55 60
Val Gly Asp Arg Ile Leu Ala Val Asn Gly Gln Ser Ile Ile Asn Met
65 70 75 80
Pro His Ala Asp Ile Val Lys Leu Ile Lys Asp Ala Gly Leu Ser Val
85 90 95
Thr Leu Arg Ile Ile Pro Gln Glu Glu Leu
100 105

<210> 112
<211> 98
<212> PRT
<213> Homo sapiens

<400> 112
Leu Ser Asp Tyr Arg Gln Pro Gln Asp Phe Asp Tyr Phe Thr Val Asp
1 5 10 15
Met Glu Lys Gly Ala Lys Gly Phe Gly Phe Ser Ile Arg Gly Gly Arg
20 25 30
Glu Tyr Lys Met Asp Leu Tyr Val Leu Arg Leu Ala Glu Asp Gly Pro
35 40 45
Ala Ile Arg Asn Gly Arg Met Arg Val Gly Asp Gln Ile Ile Glu Ile
50 55 60
Asn Gly Glu Ser Thr Arg Asp Met Thr His Ala Arg Ala Ile Glu Leu
65 70 75 80
Ile Lys Ser Gly Gly Arg Arg Val Arg Leu Leu Leu Lys Arg Gly Thr
85 90 95
Gly Gln

<210> 113
<211> 90
<212> PRT
<213> Homo sapiens

<400> 113
His Glu Ser Val Ile Gly Arg Asn Pro Glu Gly Gln Leu Gly Phe Glu
1 5 10 15
Leu Lys Gly Gly Ala Glu Asn Gly Gln Phe Pro Tyr Leu Gly Glu Val
20 25 30
Lys Pro Gly Lys Val Ala Tyr Glu Ser Gly Ser Lys Leu Val Ser Glu
35 40 45
Glu Leu Leu Leu Glu Val Asn Glu Thr Pro Val Ala Gly Leu Thr Ile
50 55 60
Arg Asp Val Leu Ala Val Ile Lys His Cys Lys Asp Pro Leu Arg Leu
65 70 75 80
Lys Cys Val Lys Gln Gly Gly Ile His Arg
85 90

<210> 114
<211> 126

<212> PRT

<213> Homo sapiens

<400> 114

Asn Leu Met Phe Arg Lys Phe Ser Leu Glu Arg Pro Phe Arg Pro Ser
1 5 10 15
Val Thr Ser Val Gly His Val Arg Gly Pro Gly Pro Ser Val Gln His
20 25 30
Thr Thr Leu Asn Gly Asp Ser Leu Thr Ser Gln Leu Thr Leu Leu Gly
35 40 45
Gly Asn Ala Arg Gly Ser Phe Val His Ser Val Lys Pro Gly Ser Leu
50 55 60
Ala Glu Lys Ala Gly Leu Arg Glu Gly His Gln Leu Leu Leu Leu Glu
65 70 75 80
Gly Cys Ile Arg Gly Glu Arg Gln Ser Val Pro Leu Asp Thr Cys Thr
85 90 95
Lys Glu Glu Ala His Trp Thr Ile Gln Arg Cys Ser Gly Pro Val Thr
100 105 110
Leu His Tyr Lys Val Asn His Glu Gly Tyr Arg Lys Leu Val
115 120 125

<210> 115

<211> 100

<212> PRT

<213> Homo sapiens

<400> 115

Ile Leu Ser Gln Val Thr Met Leu Ala Phe Gln Gly Asp Ala Leu Leu
1 5 10 15
Glu Gln Ile Ser Val Ile Gly Gly Asn Leu Thr Gly Ile Phe Ile His
20 25 30
Arg Val Thr Pro Gly Ser Ala Ala Asp Gln Met Ala Leu Arg Pro Gly
35 40 45
Thr Gln Ile Val Met Val Asp Tyr Glu Ala Ser Glu Pro Leu Phe Lys
50 55 60
Ala Val Leu Glu Asp Thr Thr Leu Glu Glu Ala Val Gly Leu Leu Arg
65 70 75 80
Arg Val Asp Gly Phe Cys Cys Leu Ser Val Lys Val Asn Thr Asp Gly
85 90 95
Tyr Lys Arg Leu
100

<210> 116

<211> 90

<212> PRT

<213> Homo sapiens

<400> 116

Thr Arg Val Arg Leu Val Gln Phe Gln Lys Asn Thr Asp Glu Pro Met
1 5 10 15
Gly Ile Thr Leu Lys Met Asn Glu Leu Asn His Cys Ile Val Ala Arg
20 25 30
Ile Met His Gly Gly Met Ile His Arg Gln Gly Thr Leu His Val Gly
35 40 45
Asp Glu Ile Arg Glu Ile Asn Gly Ile Ser Val Ala Asn Gln Thr Val
50 55 60
Glu Gln Leu Gln Lys Met Leu Arg Glu Met Arg Gly Ser Ile Thr Phe
65 70 75 80
Lys Ile Val Pro Ser Tyr Arg Thr Gln Ser
85 90

<210> 117
<211> 88
<212> PRT
<213> Homo sapiens

<400> 117
Leu Glu Gln Lys Ala Val Leu Glu Gln Val Gln Leu Asp Ser Pro Leu
1 5 10 15
Gly Leu Glu Ile His Thr Thr Ser Asn Cys Gln His Phe Val Ser Gln
20 25 30
Val Asp Thr Gln Val Pro Thr Asp Ser Arg Leu Gln Ile Gln Pro Gly
35 40 45
Asp Glu Val Val Gln Ile Asn Glu Gln Val Val Val Gly Trp Pro Arg
50 55 60
Lys Asn Met Val Arg Glu Leu Leu Arg Glu Pro Ala Gly Leu Ser Leu
65 70 75 80
Val Leu Lys Lys Ile Pro Ile Pro
85

<210> 118
<211> 92
<212> PRT
<213> Homo sapiens

<400> 118
Gln Arg Lys Leu Val Thr Val Glu Lys Gln Asp Asn Glu Thr Phe Gly
1 5 10 15
Phe Glu Ile Gln Ser Tyr Arg Pro Gln Asn Gln Asn Ala Cys Ser Ser
20 25 30
Glu Met Phe Thr Leu Ile Cys Lys Ile Gln Glu Asp Ser Pro Ala His
35 40 45
Cys Ala Gly Leu Gln Ala Gly Asp Val Leu Ala Asn Ile Asn Gly Val
50 55 60
Ser Thr Glu Gly Phe Thr Tyr Lys Gln Val Val Asp Leu Ile Arg Ser
65 70 75 80
Ser Gly Asn Leu Leu Thr Ile Glu Thr Leu Asn Gly
85 90

<210> 119
<211> 109
<212> PRT
<213> Homo sapiens

<400> 119
Arg Cys Leu Ile Gln Thr Lys Gly Gln Arg Ser Met Asp Gly Tyr Pro
1 5 10 15
Glu Gln Phe Cys Val Arg Ile Glu Lys Asn Pro Gly Leu Gly Phe Ser
20 25 30
Ile Ser Gly Gly Ile Ser Gly Gln Gly Asn Pro Phe Lys Pro Ser Asp
35 40 45
Lys Gly Ile Phe Val Thr Arg Val Gln Pro Asp Gly Pro Ala Ser Asn
50 55 60
Leu Leu Gln Pro Gly Asp Lys Ile Leu Gln Ala Asn Gly His Ser Phe
65 70 75 80
Val His Met Glu His Glu Lys Ala Val Leu Leu Leu Lys Ser Phe Gln
85 90 95
Asn Thr Val Asp Leu Val Ile Gln Arg Glu Leu Thr Val
100 105

<210> 120
<211> 101
<212> PRT
<213> Homo sapiens

<400> 120
Ile Gln Val Asn Gly Thr Asp Ala Asp Tyr Glu Tyr Glu Glu Ile Thr
1 5 10 15
Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly Thr
20 25 30
Asp Asn Pro His Ile Gly Asp Asp Ser Ser Ile Phe Ile Thr Lys Ile
35 40 45
Ile Thr Gly Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val Asn Asp
50 55 60
Cys Ile Leu Gln Val Asn Glu Val Asp Val Arg Asp Val Thr His Ser
65 70 75 80
Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg Leu Tyr
85 90 95
Val Lys Arg Arg Asn
100

<210> 121
<211> 95
<212> PRT
<213> Homo sapiens

<400> 121
Ile Gln Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly
1 5 10 15
Gly Val Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr
20 25 30
Lys Ile Ile Glu Gly Gly Ala Ala His Lys Asp Gly Lys Leu Gln Ile
35 40 45
Gly Asp Lys Leu Leu Ala Val Asn Asn Val Cys Leu Glu Glu Val Thr
50 55 60
His Glu Glu Ala Val Thr Ala Leu Lys Asn Thr Ser Asp Phe Val Tyr
65 70 75 80
Leu Lys Val Ala Lys Pro Thr Ser Met Tyr Met Asn Asp Gly Asn
85 90 95

<210> 122
<211> 85
<212> PRT
<213> Homo sapiens

<400> 122
Ile Leu His Arg Gly Ser Thr Gly Leu Gly Phe Asn Ile Val Gly Gly
1 5 10 15
Glu Asp Gly Glu Gly Ile Phe Ile Ser Phe Ile Leu Ala Gly Gly Pro
20 25 30
Ala Asp Leu Ser Gly Glu Leu Arg Lys Gly Asp Arg Ile Ile Ser Val
35 40 45
Asn Ser Val Asp Leu Arg Ala Ala Ser His Glu Gln Ala Ala Ala Ala
50 55 60
Leu Lys Asn Ala Gly Gln Ala Val Thr Ile Val Ala Gln Tyr Arg Pro
65 70 75 80
Glu Glu Tyr Ser Arg
85

<210> 123
<211> 101
<212> PRT
<213> Homo sapiens

<400> 123
Ile Ser Tyr Val Asn Gly Thr Glu Ile Glu Tyr Glu Phe Glu Glu Ile
1 5 10 15
Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly
20 25 30
Thr Asp Asn Pro His Ile Gly Asp Asp Pro Gly Ile Phe Ile Thr Lys
35 40 45
Ile Ile Pro Gly Gly Ala Ala Ala Glu Asp Gly Arg Leu Arg Val Asn
50 55 60
Asp Cys Ile Leu Arg Val Asn Glu Val Asp Val Ser Glu Val Ser His
65 70 75 80
Ser Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg Leu
85 90 95
Tyr Val Arg Arg Arg
100

<210> 124
<211> 94
<212> PRT
<213> Homo sapiens

<400> 124
Ile Ser Val Val Glu Ile Lys Leu Phe Lys Gly Pro Lys Gly Leu Gly
1 5 10 15
Phe Ser Ile Ala Gly Gly Val Gly Asn Gln His Ile Pro Gly Asp Asn
20 25 30
Ser Ile Tyr Val Thr Lys Ile Ile Asp Gly Gly Ala Ala Gln Lys Asp
35 40 45
Gly Arg Leu Gln Val Gly Asp Arg Leu Leu Met Val Asn Asn Tyr Ser
50 55 60
Leu Glu Glu Val Thr His Glu Glu Ala Val Ala Ile Leu Lys Asn Thr
65 70 75 80
Ser Glu Val Val Tyr Leu Lys Val Gly Asn Pro Thr Thr Ile
85 90

<210> 125
<211> 95
<212> PRT
<213> Homo sapiens

<400> 125
Ile Trp Ala Val Ser Leu Glu Gly Glu Pro Arg Lys Val Val Leu His
1 5 10 15
Lys Gly Ser Thr Gly Leu Gly Phe Asn Ile Val Gly Gly Glu Asp Gly
20 25 30
Glu Gly Ile Phe Val Ser Phe Ile Leu Ala Gly Gly Pro Ala Asp Leu
35 40 45
Ser Gly Glu Leu Gln Arg Gly Asp Gln Ile Leu Ser Val Asn Gly Ile
50 55 60
Asp Leu Arg Gly Ala Ser His Glu Gln Ala Ala Ala Leu Lys Gly
65 70 75 80
Ala Gly Gln Thr Val Thr Ile Ile Ala Gln Tyr Gln Pro Glu Asp
85 90 95

<210> 126
<211> 102
<212> PRT
<213> Homo sapiens

<400> 126
Gly Ile Pro Tyr Val Glu Glu Pro Arg His Val Lys Val Gln Lys Gly
1 5 10 15
Ser Glu Pro Leu Gly Ile Ser Ile Val Ser Gly Glu Lys Gly Gly Ile
20 25 30
Tyr Val Ser Lys Val Thr Val Gly Ser Ile Ala His Gln Ala Gly Leu
35 40 45
Glu Tyr Gly Asp Gln Leu Leu Glu Phe Asn Gly Ile Asn Leu Arg Ser
50 55 60
Ala Thr Glu Gln Gln Ala Arg Leu Ile Ile Gly Gln Gln Cys Asp Thr
65 70 75 80
Ile Thr Ile Leu Ala Gln Tyr Asn Pro His Val His Gln Leu Arg Asn
85 90 95
Ser Ser Glx Leu Thr Asp
100

<210> 127
<211> 103
<212> PRT
<213> Homo sapiens

<400> 127
Gly Ile Leu Ala Gly Asp Ala Asn Lys Lys Thr Leu Glu Pro Arg Val
1 5 10 15
Val Phe Ile Lys Lys Ser Gln Leu Glu Leu Gly Val His Leu Cys Gly
20 25 30
Gly Asn Leu His Gly Val Phe Val Ala Glu Val Glu Asp Asp Ser Pro
35 40 45
Ala Lys Gly Pro Asp Gly Leu Val Pro Gly Asp Leu Ile Leu Glu Tyr
50 55 60
Gly Ser Leu Asp Val Arg Asn Lys Thr Val Glu Glu Val Tyr Val Glu
65 70 75 80
Met Leu Lys Pro Arg Asp Gly Val Arg Leu Lys Val Gln Tyr Arg Pro
85 90 95
Glu Glu Phe Ile Val Thr Asp
100

<210> 128
<211> 141
<212> PRT
<213> Homo sapiens

<400> 128
Pro Thr Ser Pro Glu Ile Gln Glu Leu Arg Gln Met Leu Gln Ala Pro
1 5 10 15
His Phe Lys Ala Leu Leu Ser Ala His Asp Thr Ile Ala Gln Lys Asp
20 25 30
Phe Glu Pro Leu Leu Pro Pro Leu Pro Asp Asn Ile Pro Glu Ser Glu
35 40 45
Glu Ala Met Arg Ile Val Cys Leu Val Lys Asn Gln Gln Pro Leu Gly
50 55 60
Ala Thr Ile Lys Arg His Glu Met Thr Gly Asp Ile Leu Val Ala Arg
65 70 75 80

Ile	Ile	His	Gly	Gly	Leu	Ala	Glu	Arg	Ser	Gly	Leu	Leu	Tyr	Ala	Gly
					85					90					95
Asp	Lys	Leu	Val	Glu	Val	Asn	Gly	Val	Ser	Val	Glu	Gly	Leu	Asp	Pro
					100					105					110
Glu	Gln	Val	Ile	His	Ile	Leu	Ala	Met	Ser	Arg	Gly	Thr	Ile	Met	Phe
					115					120					125
Lys	Val	Val	Pro	Val	Ser	Asp	Pro	Pro	Val	Asn	Ser	Ser			
					130					135					140

<210> 129

<211> 97

<212> PRT

<213> Homo sapiens

<400> 129

Pro	Thr	Ser	Pro	Glu	Ile	Gln	Glu	Leu	Arg	Gln	Met	Leu	Gln	Ala	Pro
1				5				10							15
His	Phe	Lys	Gly	Ala	Thr	Ile	Lys	Arg	His	Glu	Met	Thr	Gly	Asp	Ile
					20			25							30
Leu	Val	Ala	Arg	Ile	Ile	His	Gly	Gly	Leu	Ala	Glu	Arg	Ser	Gly	Leu
					35			40							45
Leu	Tyr	Ala	Gly	Asp	Lys	Leu	Val	Glu	Val	Asn	Gly	Val	Ser	Val	Glu
					50			55							60
Gly	Leu	Asp	Pro	Glu	Gln	Val	Ile	His	Ile	Leu	Ala	Met	Ser	Arg	Gly
65					70					75					80
Thr	Ile	Met	Phe	Lys	Val	Val	Pro	Val	Ser	Asp	Pro	Pro	Val	Asn	Ser
					85					90					95
Ser															

<210> 130

<211> 93

<212> PRT

<213> Homo sapiens

<400> 130

Leu	Asn	Ile	Val	Thr	Val	Thr	Leu	Asn	Met	Glu	Arg	His	His	Phe	Leu
1				5				10							15
Gly	Ile	Ser	Ile	Val	Gly	Gln	Ser	Asn	Asp	Arg	Gly	Asp	Gly	Gly	Ile
					20			25							30
Tyr	Ile	Gly	Ser	Ile	Met	Lys	Gly	Gly	Ala	Val	Ala	Ala	Asp	Gly	Arg
					35			40							45
Ile	Glu	Pro	Gly	Asp	Met	Leu	Leu	Gln	Val	Asn	Asp	Val	Asn	Phe	Glu
					50			55							60
Asn	Met	Ser	Asn	Asp	Asp	Ala	Val	Arg	Val	Leu	Arg	Glu	Ile	Val	Ser
65					70					75					80
Gln	Thr	Gly	Pro	Ile	Ser	Leu	Thr	Val	Ala	Lys	Cys	Trp			
					85					90					

<210> 131

<211> 100

<212> PRT

<213> Homo sapiens

<400> 131

Leu	Asn	Ile	Ile	Thr	Val	Thr	Leu	Asn	Met	Glu	Lys	Tyr	Asn	Phe	Leu
1				5				10							15
Gly	Ile	Ser	Ile	Val	Gly	Gln	Ser	Asn	Glu	Arg	Gly	Asp	Gly	Gly	Ile
					20			25							30

Tyr Ile Gly Ser Ile Met Lys Gly Gly Ala Val Ala Ala Asp Gly Arg
 35 40 45
 Ile Glu Pro Gly Asp Met Leu Leu Gln Val Asn Asp Met Asn Phe Glu
 50 55 60
 Asn Met Ser Asn Asp Asp Ala Val Arg Val Leu Arg Asp Ile Val His
 65 70 75 80
 Lys Pro Gly Pro Ile Val Leu Thr Val Ala Lys Cys Trp Asp Pro Ser
 85 90 95
 Pro Gln Asn Ser
 100

<210> 132
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 132
 Ile Ile Thr Val Thr Leu Asn Met Glu Lys Tyr Asn Phe Leu Gly Ile
 1 5 10 15
 Ser Ile Val Gly Gln Ser Asn Glu Arg Gly Asp Gly Gly Ile Tyr Ile
 20 25 30
 Gly Ser Ile Met Lys Gly Gly Ala Val Ala Ala Asp Gly Arg Ile Glu
 35 40 45
 Pro Gly Asp Met Leu Leu Gln Val Asn Glu Ile Asn Phe Glu Asn Met
 50 55 60
 Ser Asn Asp Asp Ala Val Arg Val Leu Arg Glu Ile Val His Lys Pro
 65 70 75 80
 Gly Pro Ile Thr Leu Thr Val Ala Lys Cys Trp Asp Pro Ser Pro
 85 90 95

<210> 133
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 133
 Thr Thr Gln Gln Ile Asp Leu Gln Gly Pro Gly Pro Trp Gly Phe Arg
 1 5 10 15
 Leu Val Gly Arg Lys Asp Phe Glu Gln Pro Leu Ala Ile Ser Arg Val
 20 25 30
 Thr Pro Gly Ser Lys Ala Ala Leu Ala Asn Leu Cys Ile Gly Asp Val
 35 40 45
 Ile Thr Ala Ile Asp Gly Glu Asn Thr Ser Asn Met Thr His Leu Glu
 50 55 60
 Ala Gln Asn Arg Ile Lys Gly Cys Thr Asp Asn Leu Thr Leu Thr Val
 65 70 75 80
 Ala Arg Ser Glu His Lys Val Trp Ser Pro Leu Val
 85 90

<210> 134
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 134
 Ile Phe Met Asp Ser Phe Lys Val Val Leu Glu Gly Pro Ala Pro Trp
 1 5 10 15
 Gly Phe Arg Leu Gln Gly Gly Lys Asp Phe Asn Val Pro Leu Ser Ile
 20 25 30

Ser Arg Leu Thr Pro Gly Gly Lys Ala Ala Gln Ala Gly Val Ala Val
35 40 45
Gly Asp Trp Val Leu Ser Ile Asp Gly Glu Asn Ala Gly Ser Leu Thr
50 55 60
His Ile Glu Ala Gln Asn Lys Ile Arg Ala Cys Gly Glu Arg Leu Ser
65 70 75 80
Leu Gly Leu Ser Arg Ala Gln Pro Val
85

<210> 135
<211> 100
<212> PRT
<213> Homo sapiens

<400> 135
Gln Gly His Glu Leu Ala Lys Gln Glu Ile Arg Val Arg Val Glu Lys
1 5 10 15
Asp Pro Glu Leu Gly Phe Ser Ile Ser Gly Gly Val Gly Arg Gly
20 25 30
Asn Pro Phe Arg Pro Asp Asp Gly Ile Phe Val Thr Arg Val Gln
35 40 45
Pro Glu Gly Pro Ala Ser Lys Leu Leu Gln Pro Gly Asp Lys Ile Ile
50 55 60
Gln Ala Asn Gly Tyr Ser Phe Ile Asn Ile Glu His Gly Gln Ala Val
65 70 75 80
Ser Leu Leu Lys Thr Phe Gln Asn Thr Val Glu Leu Ile Ile Val Arg
85 90 95
Glu Val Ser Ser
100

<210> 136
<211> 87
<212> PRT
<213> Homo sapiens

<400> 136
Ile Leu Cys Cys Leu Glu Lys Gly Pro Asn Gly Tyr Gly Phe His Leu
1 5 10 15
His Gly Glu Lys Gly Lys Leu Gly Gln Tyr Ile Arg Leu Val Glu Pro
20 25 30
Gly Ser Pro Ala Glu Lys Ala Gly Leu Leu Ala Gly Asp Arg Leu Val
35 40 45
Glu Val Asn Gly Glu Asn Val Glu Lys Glu Thr His Gln Gln Val Val
50 55 60
Ser Arg Ile Arg Ala Ala Leu Asn Ala Val Arg Leu Leu Val Val Asp
65 70 75 80
Pro Glu Phe Ile Val Thr Asp
85

<210> 137
<211> 92
<212> PRT
<213> Homo sapiens

<400> 137
Ile Arg Leu Cys Thr Met Lys Lys Gly Pro Ser Gly Tyr Gly Phe Asn
1 5 10 15
Leu His Ser Asp Lys Ser Lys Pro Gly Gln Phe Ile Arg Ser Val Asp
20 25 30

Pro Asp Ser Pro Ala Glu Ala Ser Gly Leu Arg Ala Gln Asp Arg Ile
35 40 45
Val Glu Val Asn Gly Val Cys Met Glu Gly Lys Gln His Gly Asp Val
50 55 60
Val Ser Ala Ile Arg Ala Gly Gly Asp Glu Thr Lys Leu Leu Val Val
65 70 75 80
Asp Arg Glu Thr Asp Glu Phe Phe Met Asn Ser Ser
85 90

<210> 138
<211> 107
<212> PRT
<213> Homo sapiens

<400> 138
Lys Asn Pro Ser Gly Glu Leu Lys Thr Val Thr Leu Ser Lys Met Lys
1 5 10 15
Gln Ser Leu Gly Ile Ser Ile Ser Gly Gly Ile Glu Ser Lys Val Gln
20 25 30
Pro Met Val Lys Ile Glu Lys Ile Phe Pro Gly Gly Ala Ala Phe Leu
35 40 45
Ser Gly Ala Leu Gln Ala Gly Phe Glu Leu Val Ala Val Asp Gly Glu
50 55 60
Asn Leu Glu Gln Val Thr His Gln Arg Ala Val Asp Thr Ile Arg Arg
65 70 75 80
Ala Tyr Arg Asn Lys Ala Arg Glu Pro Met Glu Leu Val Val Arg Val
85 90 95
Pro Gly Pro Ser Pro Arg Pro Ser Pro Ser Asp
100 105

<210> 139
<211> 97
<212> PRT
<213> Homo sapiens

<400> 139
Glu Gly His Ser His Pro Arg Val Val Glu Leu Pro Lys Thr Glu Glu
1 5 10 15
Gly Leu Gly Phe Asn Ile Met Gly Gly Lys Glu Gln Asn Ser Pro Ile
20 25 30
Tyr Ile Ser Arg Ile Ile Pro Gly Gly Ile Ala Asp Arg His Gly Gly
35 40 45
Leu Lys Arg Gly Asp Gln Leu Leu Ser Val Asn Gly Val Ser Val Glu
50 55 60
Gly Glu His His Glu Lys Ala Val Glu Leu Leu Lys Ala Ala Gln Gly
65 70 75 80
Lys Val Lys Leu Val Val Arg Tyr Thr Pro Lys Val Leu Glu Glu Met
85 90 95
Glu

<210> 140
<211> 88
<212> PRT
<213> Homo sapiens

<400> 140
Pro Gly Ala Pro Tyr Ala Arg Lys Thr Phe Thr Ile Val Gly Asp Ala
1 5 10 15

Val Gly Trp Gly Phe Val Val Arg Gly Ser Lys Pro Cys His Ile Gln
 20 25 30
 Ala Val Asp Pro Ser Gly Pro Ala Ala Ala Gly Met Lys Val Cys
 35 40 45
 Gln Phe Val Val Ser Val Asn Gly Leu Asn Val Leu His Val Asp Tyr
 50 55 60
 Arg Thr Val Ser Asn Leu Ile Leu Thr Gly Pro Arg Thr Ile Val Met
 65 70 75 80
 Glu Val Met Glu Glu Leu Glu Cys
 85

<210> 141
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 141
 Gly Gln Tyr Gly Gly Glu Thr Val Lys Ile Val Arg Ile Glu Lys Ala
 1 5 10 15
 Arg Asp Ile Pro Leu Gly Ala Thr Val Arg Asn Glu Met Asp Ser Val
 20 25 30
 Ile Ile Ser Arg Ile Val Lys Gly Gly Ala Ala Glu Lys Ser Gly Leu
 35 40 45
 Leu His Glu Gly Asp Glu Val Leu Glu Ile Asn Gly Ile Glu Ile Arg
 50 55 60
 Gly Lys Asp Val Asn Glu Val Phe Asp Leu Leu Ser Asp Met His Gly
 65 70 75 80
 Thr Leu Thr Phe Val Leu Ile Pro Ser Gln Gln Ile Lys Pro Pro Pro
 85 90 95
 Ala

<210> 142
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 142
 Ile Leu Ala His Val Lys Gly Ile Glu Lys Glu Val Asn Val Tyr Lys
 1 5 10 15
 Ser Glu Asp Ser Leu Gly Leu Thr Ile Thr Asp Asn Gly Val Gly Tyr
 20 25 30
 Ala Phe Ile Lys Arg Ile Lys Asp Gly Gly Val Ile Asp Ser Val Lys
 35 40 45
 Thr Ile Cys Val Gly Asp His Ile Glu Ser Ile Asn Gly Glu Asn Ile
 50 55 60
 Val Gly Trp Arg His Tyr Asp Val Ala Lys Lys Leu Lys Glu Leu Lys
 65 70 75 80
 Lys Glu Glu Leu Phe Thr Met Lys Leu Ile Glu Pro Lys Lys Ala Phe
 85 90 95
 Glu Ile

<210> 143
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 143

Lys Pro Ser Gln Ala Ser Gly His Phe Ser Val Glu Leu Val Arg Gly
 1 5 10 15
 Tyr Ala Gly Phe Gly Leu Thr Leu Gly Gly Arg Asp Val Ala Gly
 20 25 30
 Asp Thr Pro Leu Ala Val Arg Gly Leu Leu Lys Asp Gly Pro Ala Gln
 35 40 45
 Arg Cys Gly Arg Leu Glu Val Gly Asp Leu Val Leu His Ile Asn Gly
 50 55 60
 Glu Ser Thr Gln Gly Leu Thr His Ala Gln Ala Val Glu Arg Ile Arg
 65 70 75 80
 Ala Gly Gly Pro Gln Leu His Leu Val Ile Arg Arg Pro Leu Glu Thr
 85 90 95
 His Pro Gly Lys Pro Arg Gly Val
 100

<210> 144

<211> 107

<212> PRT

<213> Homo sapiens

<400> 144

Pro Val Met Ser Gln Cys Ala Cys Leu Glu Glu Val His Leu Pro Asn
 1 5 10 15
 Ile Lys Pro Gly Glu Gly Leu Gly Met Tyr Ile Lys Ser Thr Tyr Asp
 20 25 30
 Gly Leu His Val Ile Thr Gly Thr Thr Glu Asn Ser Pro Ala Asp Arg
 35 40 45
 Ser Gln Lys Ile His Ala Gly Asp Glu Val Ile Gln Val Asn Gln Gln
 50 55 60
 Thr Val Val Gly Trp Gln Leu Lys Asn Leu Val Lys Lys Leu Arg Glu
 65 70 75 80
 Asn Pro Thr Gly Val Val Leu Leu Lys Lys Arg Pro Thr Gly Ser
 85 90 95
 Phe Asn Phe Thr Pro Glu Phe Ile Val Thr Asp
 100 105

<210> 145

<211> 100

<212> PRT

<213> Homo sapiens

<400> 145

Leu Asp Asp Glu Glu Asp Ser Val Lys Ile Ile Arg Leu Val Lys Asn
 1 5 10 15
 Arg Glu Pro Leu Gly Ala Thr Ile Lys Lys Asp Glu Gln Thr Gly Ala
 20 25 30
 Ile Ile Val Ala Arg Ile Met Arg Gly Gly Ala Ala Asp Arg Ser Gly
 35 40 45
 Leu Ile His Val Gly Asp Glu Leu Arg Glu Val Asn Gly Ile Pro Val
 50 55 60
 Glu Asp Lys Arg Pro Glu Glu Ile Ile Gln Ile Leu Ala Gln Ser Gln
 65 70 75 80
 Gly Ala Ile Thr Phe Lys Ile Ile Pro Gly Ser Lys Glu Glu Thr Pro
 85 90 95
 Ser Asn Ser Ser
 100

<210> 146

<211> 83

<212> PRT

<213> Homo sapiens

<400> 146

Val Val Glu Leu Met Lys Lys Glu Gly Thr Thr Leu Gly Leu Thr Val
1 5 10 15
Ser Gly Gly Ile Asp Lys Asp Gly Lys Pro Arg Val Ser Asn Leu Arg
20 25 30
Gln Gly Gly Ile Ala Ala Arg Ser Asp Gln Leu Asp Val Gly Asp Tyr
35 40 45
Ile Lys Ala Val Asn Gly Ile Asn Leu Ala Lys Phe Arg His Asp Glu
50 55 60
Ile Ile Ser Leu Leu Lys Asn Val Gly Glu Arg Val Val Leu Glu Val
65 70 75 80
Glu Tyr Glu

<210> 147

<211> 110

<212> PRT

<213> Homo sapiens

<400> 147

Arg Ser Ser Val Ile Phe Arg Thr Val Glu Val Thr Leu His Lys Glu
1 5 10 15
Gly Asn Thr Phe Gly Phe Val Ile Arg Gly Gly Ala His Asp Asp Arg
20 25 30
Asn Lys Ser Arg Pro Val Val Ile Thr Cys Val Arg Pro Gly Gly Pro
35 40 45
Ala Asp Arg Glu Gly Thr Ile Lys Pro Gly Asp Arg Leu Leu Ser Val
50 55 60
Asp Gly Ile Arg Leu Leu Gly Thr Thr His Ala Glu Ala Met Ser Ile
65 70 75 80
Leu Lys Gln Cys Gly Gln Glu Ala Ala Leu Leu Ile Glu Tyr Asp Val
85 90 95
Ser Val Met Asp Ser Val Ala Thr Ala Ser Gly Asn Ser Ser
100 105 110

<210> 148

<211> 106

<212> PRT

<213> Homo sapiens

<400> 148

His Val Ala Thr Ala Ser Gly Pro Leu Leu Val Glu Val Ala Lys Thr
1 5 10 15
Pro Gly Ala Ser Leu Gly Val Ala Leu Thr Thr Ser Met Cys Cys Asn
20 25 30
Lys Gln Val Ile Val Ile Asp Lys Ile Lys Ser Ala Ser Ile Ala Asp
35 40 45
Arg Cys Gly Ala Leu His Val Gly Asp His Ile Leu Ser Ile Asp Gly
50 55 60
Thr Ser Met Glu Tyr Cys Thr Leu Ala Glu Ala Thr Gln Phe Leu Ala
65 70 75 80
Asn Thr Thr Asp Gln Val Lys Leu Glu Ile Leu Pro His His Gln Thr
85 90 95
Arg Leu Ala Leu Lys Gly Pro Asn Ser Ser
100 105

<210> 149
<211> 97
<212> PRT
<213> Homo sapiens

<400> 149
Thr Glu Thr Thr Glu Val Val Leu Thr Ala Asp Pro Val Thr Gly Phe
1 5 10 15
Gly Ile Gln Leu Gln Gly Ser Val Phe Ala Thr Glu Thr Leu Ser Ser
20 25 30
Pro Pro Leu Ile Ser Tyr Ile Glu Ala Asp Ser Pro Ala Glu Arg Cys
35 40 45
Gly Val Leu Gln Ile Gly Asp Arg Val Met Ala Ile Asn Gly Ile Pro
50 55 60
Thr Glu Asp Ser Thr Phe Glu Glu Ala Ser Gln Leu Leu Arg Asp Ser
65 70 75 80
Ser Ile Thr Ser Lys Val Thr Leu Glu Ile Glu Phe Asp Val Ala Glu
85 90 95
Ser

<210> 150
<211> 101
<212> PRT
<213> Homo sapiens

<400> 150
Ala Glu Ser Val Ile Pro Ser Ser Gly Thr Phe His Val Lys Leu Pro
1 5 10 15
Lys Lys His Asn Val Glu Leu Gly Ile Thr Ile Ser Ser Pro Ser Ser
20 25 30
Arg Lys Pro Gly Asp Pro Leu Val Ile Ser Asp Ile Lys Lys Gly Ser
35 40 45
Val Ala His Arg Thr Gly Thr Leu Glu Leu Gly Asp Lys Leu Leu Ala
50 55 60
Ile Asp Asn Ile Arg Leu Asp Asn Cys Ser Met Glu Asp Ala Val Gln
65 70 75 80
Ile Leu Gln Gln Cys Glu Asp Leu Val Lys Leu Lys Ile Arg Lys Asp
85 90 95
Glu Asp Asn Ser Asp
100

<210> 151
<211> 90
<212> PRT
<213> Homo sapiens

<400> 151
Ile Tyr Thr Val Glu Leu Lys Arg Tyr Gly Gly Pro Leu Gly Ile Thr
1 5 10 15
Ile Ser Gly Thr Glu Glu Pro Phe Asp Pro Ile Ile Ile Ser Ser Leu
20 25 30
Thr Lys Gly Gly Leu Ala Glu Arg Thr Gly Ala Ile His Ile Gly Asp
35 40 45
Arg Ile Leu Ala Ile Asn Ser Ser Ser Leu Lys Gly Lys Pro Leu Ser
50 55 60
Glu Ala Ile His Leu Leu Gln Met Ala Gly Glu Thr Val Thr Leu Lys
65 70 75 80
Ile Lys Lys Gln Thr Asp Ala Gln Ser Ala
85 90
35

<210> 152
<211> 95
<212> PRT
<213> Homo sapiens

<400> 152
Ile Met Ser Pro Thr Pro Val Glu Leu His Lys Val Thr Leu Tyr Lys
1 5 10 15
Asp Ser Asp Met Glu Asp Phe Gly Phe Ser Val Ala Asp Gly Leu Leu
20 25 30
Glu Lys Gly Val Tyr Val Lys Asn Ile Arg Pro Ala Gly Pro Gly Asp
35 40 45
Leu Gly Gly Leu Lys Pro Tyr Asp Arg Leu Leu Gln Val Asn His Val
50 55 60
Arg Thr Arg Asp Phe Asp Cys Cys Leu Val Val Pro Leu Ile Ala Glu
65 70 75 80
Ser Gly Asn Lys Leu Asp Leu Val Ile Ser Arg Asn Pro Leu Ala
85 90 95

<210> 153
<211> 88
<212> PRT
<213> Homo sapiens

<400> 153
Ser Arg Gly Cys Glu Thr Arg Glu Leu Ala Leu Pro Arg Asp Gly Gln
1 5 10 15
Gly Arg Leu Gly Phe Glu Val Asp Ala Glu Gly Phe Val Thr His Val
20 25 30
Glu Arg Phe Thr Phe Ala Glu Thr Ala Gly Leu Arg Pro Gly Ala Arg
35 40 45
Leu Leu Arg Val Cys Gly Gln Thr Leu Pro Ser Leu Arg Pro Glu Ala
50 55 60
Ala Ala Gln Leu Leu Arg Ser Ala Pro Lys Val Cys Val Thr Val Leu
65 70 75 80
Pro Pro Asp Glu Ser Gly Arg Pro
85

<210> 154
<211> 95
<212> PRT
<213> Homo sapiens

<400> 154
Ala Lys Ala Lys Trp Arg Gln Val Val Leu Gln Lys Ala Ser Arg Glu
1 5 10 15
Ser Pro Leu Gln Phe Ser Leu Asn Gly Gly Ser Glu Lys Gly Phe Gly
20 25 30
Ile Phe Val Glu Gly Val Glu Pro Gly Ser Lys Ala Ala Asp Ser Gly
35 40 45
Leu Lys Arg Gly Asp Gln Ile Met Glu Val Asn Gly Gln Asn Phe Glu
50 55 60
Asn Ile Thr Phe Met Lys Ala Val Glu Ile Leu Arg Asn Asn Thr His
65 70 75 80
Leu Ala Leu Thr Val Lys Thr Asn Ile Phe Val Phe Lys Glu Leu
85 90 95

<210> 155
<211> 89
<212> PRT
<213> Homo sapiens

<400> 155
Leu Glu Asn Val Ile Ala Lys Ser Leu Leu Ile Lys Ser Asn Glu Gly
1 5 10 15
Ser Tyr Gly Phe Gly Leu Glu Asp Lys Asn Lys Val Pro Ile Ile Lys
20 25 30
Leu Val Glu Lys Gly Ser Asn Ala Glu Met Ala Gly Met Glu Val Gly
35 40 45
Lys Lys Ile Phe Ala Ile Asn Gly Asp Leu Val Phe Met Arg Pro Phe
50 55 60
Asn Glu Val Asp Cys Phe Leu Lys Ser Cys Leu Asn Ser Arg Lys Pro
65 70 75 80
Leu Arg Val Leu Val Ser Thr Lys Pro
85

<210> 156
<211> 82
<212> PRT
<213> Homo sapiens

<400> 156
Pro Arg Glu Thr Val Lys Ile Pro Asp Ser Ala Asp Gly Leu Gly Phe
1 5 10 15
Gln Ile Arg Gly Phe Gly Pro Ser Val Val His Ala Val Gly Arg Gly
20 25 30
Thr Val Ala Ala Ala Ala Gly Leu His Pro Gly Gln Cys Ile Ile Lys
35 40 45
Val Asn Gly Ile Asn Val Ser Lys Glu Thr His Ala Ser Val Ile Ala
50 55 60
His Val Thr Ala Cys Arg Lys Tyr Arg Arg Pro Thr Lys Gln Asp Ser
65 70 75 80
Ile Gln

<210> 157
<211> 100
<212> PRT
<213> Homo sapiens

<400> 157
Glu Asp Phe Cys Tyr Val Phe Thr Val Glu Leu Glu Arg Gly Pro Ser
1 5 10 15
Gly Leu Gly Met Gly Leu Ile Asp Gly Met His Thr His Leu Gly Ala
20 25 30
Pro Gly Leu Tyr Ile Gln Thr Leu Leu Pro Gly Ser Pro Ala Ala Ala
35 40 45
Asp Gly Arg Leu Ser Leu Gly Asp Arg Ile Leu Glu Val Asn Gly Ser
50 55 60
Ser Leu Leu Gly Leu Gly Tyr Leu Arg Ala Val Asp Leu Ile Arg His
65 70 75 80
Gly Gly Lys Lys Met Arg Phe Leu Val Ala Lys Ser Asp Val Glu Thr
85 90 95
Ala Lys Lys Ile
100

<210> 158
<211> 109
<212> PRT
<213> Homo sapiens

<400> 158
Leu Thr Glu Phe Gln Asp Lys Gln Ile Lys Asp Trp Lys Lys Arg Phe
1 5 10 15
Ile Gly Ile Arg Met Arg Thr Ile Thr Pro Ser Leu Val Asp Glu Leu
20 25 30
Lys Ala Ser Asn Pro Asp Phe Pro Glu Val Ser Ser Gly Ile Tyr Val
35 40 45
Gln Glu Val Ala Pro Asn Ser Pro Ser Gln Arg Gly Gly Ile Gln Asp
50 55 60
Gly Asp Ile Ile Val Lys Val Asn Gly Arg Pro Leu Val Asp Ser Ser
65 70 75 80
Glu Leu Gln Glu Ala Val Leu Thr Glu Ser Pro Leu Leu Leu Glu Val
85 90 95
Arg Arg Gly Asn Asp Asp Leu Leu Phe Ser Asn Ser Ser
100 105

<210> 159
<211> 97
<212> PRT
<213> Homo sapiens

<400> 159
His Lys Lys Tyr Leu Gly Leu Gln Met Leu Ser Leu Thr Val Pro Leu
1 5 10 15
Ser Glu Glu Leu Lys Met His Tyr Pro Asp Phe Pro Asp Val Ser Ser
20 25 30
Gly Val Tyr Val Cys Lys Val Val Glu Gly Thr Ala Ala Gln Ser Ser
35 40 45
Gly Leu Arg Asp His Asp Val Ile Val Asn Ile Asn Gly Lys Pro Ile
50 55 60
Thr Thr Thr Asp Val Val Lys Ala Leu Asp Ser Asp Ser Leu Ser
65 70 75 80
Met Ala Val Leu Arg Gly Lys Asp Asn Leu Leu Leu Thr Val Asn Ser
85 90 95
Ser

<210> 160
<211> 104
<212> PRT
<213> Homo sapiens

<400> 160
Ile Trp Gln Ile Glu Tyr Ile Asp Ile Glu Arg Pro Ser Thr Gly Gly
1 5 10 15
Leu Gly Phe Ser Val Val Ala Leu Arg Ser Gln Asn Leu Gly Lys Val
20 25 30
Asp Ile Phe Val Lys Asp Val Gln Pro Gly Ser Val Ala Asp Arg Asp
35 40 45
Gln Arg Leu Lys Glu Asn Asp Gln Ile Leu Ala Ile Asn His Thr Pro
50 55 60
Leu Asp Gln Asn Ile Ser His Gln Gln Ala Ile Ala Leu Leu Gln Gln
65 70 75 80
Thr Thr Gly Ser Leu Arg Leu Ile Val Ala Arg Glu Pro Val His Thr
85 90 95

Lys Ser Ser Thr Ser Ser Ser Glu
100

<210> 161
<211> 78
<212> PRT
<213> Homo sapiens

<400> 161
Pro Gly His Val Glu Glu Val Glu Leu Ile Asn Asp Gly Ser Gly Leu
1 5 10 15
Gly Phe Gly Ile Val Gly Gly Lys Thr Ser Gly Val Val Val Arg Thr
20 25 30
Ile Val Pro Gly Gly Leu Ala Asp Arg Asp Gly Arg Leu Gln Thr Gly
35 40 45
Asp His Ile Leu Lys Ile Gly Gly Thr Asn Val Gln Gly Met Thr Ser
50 55 60
Glu Gln Val Ala Gln Val Leu Arg Asn Cys Gly Asn Ser Ser
65 70 75

<210> 162
<211> 111
<212> PRT
<213> Homo sapiens

<400> 162
Pro Gly Ser Asp Ser Ser Leu Phe Glu Thr Tyr Asn Val Glu Leu Val
1 5 10 15
Arg Lys Asp Gly Gln Ser Leu Gly Ile Arg Ile Val Gly Tyr Val Gly
20 25 30
Thr Ser His Thr Gly Glu Ala Ser Gly Ile Tyr Val Lys Ser Ile Ile
35 40 45
Pro Gly Ser Ala Ala Tyr His Asn Gly His Ile Gln Val Asn Asp Lys
50 55 60
Ile Val Ala Val Asp Gly Val Asn Ile Gln Gly Phe Ala Asn His Asp
65 70 75 80
Val Val Glu Val Leu Arg Asn Ala Gly Gln Val Val His Leu Thr Leu
85 90 95
Val Arg Arg Lys Thr Ser Ser Ser Thr Ser Arg Ile His Arg Asp
100 105 110

<210> 163
<211> 96
<212> PRT
<213> Homo sapiens

<400> 163
Asn Ser Asp Asp Ala Glu Leu Gln Lys Tyr Ser Lys Leu Leu Pro Ile
1 5 10 15
His Thr Leu Arg Leu Gly Val Glu Val Asp Ser Phe Asp Gly His His
20 25 30
Tyr Ile Ser Ser Ile Val Ser Gly Gly Pro Val Asp Thr Leu Gly Leu
35 40 45
Leu Gln Pro Glu Asp Glu Leu Leu Glu Val Asn Gly Met Gln Leu Tyr
50 55 60
Gly Lys Ser Arg Arg Glu Ala Val Ser Phe Leu Lys Glu Val Pro Pro
65 70 75 80
Pro Phe Thr Leu Val Cys Cys Arg Arg Leu Phe Asp Asp Glu Ala Ser
85 90 95

<210> 164
<211> 102
<212> PRT
<213> Homo sapiens

<400> 164
Leu Ser Ser Pro Glu Val Lys Ile Val Glu Leu Val Lys Asp Cys Lys
1 5 10 15
Gly Leu Gly Phe Ser Ile Leu Asp Tyr Gln Asp Pro Leu Asp Pro Thr
20 25 30
Arg Ser Val Ile Val Ile Arg Ser Leu Val Ala Asp Gly Val Ala Glu
35 40 45
Arg Ser Gly Gly Leu Leu Pro Gly Asp Arg Leu Val Ser Val Asn Glu
50 55 60
Tyr Cys Leu Asp Asn Thr Ser Leu Ala Glu Ala Val Glu Ile Leu Lys
65 70 75 80
Ala Val Pro Pro Gly Leu Val His Leu Gly Ile Cys Lys Pro Leu Val
85 90 95
Glu Phe Ile Val Thr Asp
100

<210> 165
<211> 119
<212> PRT
<213> Homo sapiens

<400> 165
Pro Asn Phe Ser His Trp Gly Pro Pro Arg Ile Val Glu Ile Phe Arg
1 5 10 15
Glu Pro Asn Val Ser Leu Gly Ile Ser Ile Val Val Gly Gln Thr Val
20 25 30
Ile Lys Arg Leu Lys Asn Gly Glu Glu Leu Lys Gly Ile Phe Ile Lys
35 40 45
Gln Val Leu Glu Asp Ser Pro Ala Gly Lys Thr Asn Ala Leu Lys Thr
50 55 60
Gly Asp Lys Ile Leu Glu Val Ser Gly Val Asp Leu Gln Asn Ala Ser
65 70 75 80
His Ser Glu Ala Val Glu Ala Ile Lys Asn Ala Gly Asn Pro Val Val
85 90 95
Phe Ile Val Gln Ser Leu Ser Ser Thr Pro Arg Val Ile Pro Asn Val
100 105 110
His Asn Lys Ala Asn Ser Ser
115

<210> 166
<211> 99
<212> PRT
<213> Homo sapiens

<400> 166
Pro Gly Glu Leu His Ile Ile Glu Leu Glu Lys Asp Lys Asn Gly Leu
1 5 10 15
Gly Leu Ser Leu Ala Gly Asn Lys Asp Arg Ser Arg Met Ser Ile Phe
20 25 30
Val Val Gly Ile Asn Pro Glu Gly Pro Ala Ala Asp Gly Arg Met
35 40 45
Arg Ile Gly Asp Glu Leu Leu Glu Ile Asn Asn Gln Ile Leu Tyr Gly
50 55 60

Arg Ser His Gln Asn Ala Ser Ala Ile Ile Lys Thr Ala Pro Ser Lys
65 70 75 80
Val Lys Leu Val Phe Ile Arg Asn Glu Asp Ala Val Asn Gln Met Ala
85 90 95
Asn Ser Ser

<210> 167
<211> 93
<212> PRT
<213> Homo sapiens

<400> 167
Pro Ala Thr Cys Pro Ile Val Pro Gly Gln Glu Met Ile Ile Glu Ile
1 5 10 15
Ser Lys Gly Arg Ser Gly Leu Gly Leu Ser Ile Val Gly Gly Lys Asp
20 25 30
Thr Pro Leu Asn Ala Ile Val Ile His Glu Val Tyr Glu Glu Gly Ala
35 40 45
Ala Ala Arg Asp Gly Arg Leu Trp Ala Gly Asp Gln Ile Leu Glu Val
50 55 60
Asn Gly Val Asp Leu Arg Asn Ser Ser His Glu Glu Ala Ile Thr Ala
65 70 75 80
Leu Arg Gln Thr Pro Gln Lys Val Arg Leu Val Val Tyr
85 90

<210> 168
<211> 103
<212> PRT
<213> Homo sapiens

<400> 168
Ile Leu Thr Leu Thr Ile Leu Arg Gln Thr Gly Gly Leu Gly Ile Ser
1 5 10 15
Ile Ala Gly Gly Lys Gly Ser Thr Pro Tyr Lys Gly Asp Asp Glu Gly
20 25 30
Ile Phe Ile Ser Arg Val Ser Glu Glu Gly Pro Ala Ala Arg Ala Gly
35 40 45
Val Arg Val Gly Asp Lys Leu Leu Glu Val Asn Gly Val Ala Leu Gln
50 55 60
Gly Ala Glu His His Glu Ala Val Glu Ala Leu Arg Gly Ala Gly Thr
65 70 75 80
Ala Val Gln Met Arg Val Trp Arg Glu Arg Met Val Glu Pro Glu Asn
85 90 95
Ala Glu Phe Ile Val Thr Asp
100

<210> 169
<211> 97
<212> PRT
<213> Homo sapiens

<400> 169
Pro Leu Arg Gln Arg His Val Ala Cys Leu Ala Arg Ser Glu Arg Gly
1 5 10 15
Leu Gly Phe Ser Ile Ala Gly Gly Lys Gly Ser Thr Pro Tyr Arg Ala
20 25 30
Gly Asp Ala Gly Ile Phe Val Ser Arg Ile Ala Glu Gly Gly Ala Ala
35 40 45

His Arg Ala Gly Thr Leu Gln Val Gly Asp Arg Val Leu Ser Ile Asn
50 55 60
Gly Val Asp Val Thr Glu Ala Arg His Asp His Ala Val Ser Leu Leu
65 70 75 80
Thr Ala Ala Ser Pro Thr Ile Ala Leu Leu Leu Glu Arg Glu Ala Gly
85 90 95
Gly

<210> 170
<211> 106
<212> PRT
<213> Homo sapiens

<400> 170
Ile Leu Glu Gly Pro Tyr Pro Val Glu Glu Ile Arg Leu Pro Arg Ala
1 5 10 15
Gly Gly Pro Leu Gly Leu Ser Ile Val Gly Gly Ser Asp His Ser Ser
20 25 30
His Pro Phe Gly Val Gln Glu Pro Gly Val Phe Ile Ser Lys Val Leu
35 40 45
Pro Arg Gly Leu Ala Ala Arg Ser Gly Leu Arg Val Gly Asp Arg Ile
50 55 60
Leu Ala Val Asn Gly Gln Asp Val Arg Asp Ala Thr His Gln Glu Ala
65 70 75 80
Val Ser Ala Leu Leu Arg Pro Cys Leu Glu Leu Ser Leu Leu Val Arg
85 90 95
Arg Asp Pro Ala Glu Phe Ile Val Thr Asp
100 105

<210> 171
<211> 105
<212> PRT
<213> Homo sapiens

<400> 171
Arg Glu Leu Cys Ile Gln Lys Ala Pro Gly Glu Arg Leu Gly Ile Ser
1 5 10 15
Ile Arg Gly Gly Ala Arg Gly His Ala Gly Asn Pro Arg Asp Pro Thr
20 25 30
Asp Glu Gly Ile Phe Ile Ser Lys Val Ser Pro Thr Gly Ala Ala Gly
35 40 45
Arg Asp Gly Arg Leu Arg Val Gly Leu Arg Leu Leu Glu Val Asn Gln
50 55 60
Gln Ser Leu Leu Gly Leu Thr His Gly Glu Ala Val Gln Leu Leu Arg
65 70 75 80
Ser Val Gly Asp Thr Leu Thr Val Leu Val Cys Asp Gly Phe Glu Ala
85 90 95
Ser Thr Asp Ala Ala Leu Glu Val Ser
100 105

<210> 172
<211> 91
<212> PRT
<213> Homo sapiens

<400> 172
Pro His Gln Pro Ile Val Ile His Ser Ser Gly Lys Asn Tyr Gly Phe
1 5 10 15

Thr Ile Arg Ala Ile Arg Val Tyr Val Gly Asp Ser Asp Ile Tyr Thr
20 25 30
Val His His Ile Val Trp Asn Val Glu Glu Gly Ser Pro Ala Cys Gln
35 40 45
Ala Gly Leu Lys Ala Gly Asp Leu Ile Thr His Ile Asn Gly Glu Pro
50 55 60
Val His Gly Leu Val His Thr Glu Val Ile Glu Leu Leu Lys Ser
65 70 75 80
Gly Asn Lys Val Ser Ile Thr Thr Thr Pro Phe
85 90

<210> 173

<211> 105

<212> PRT

<213> Homo sapiens

<400> 173

Ile Leu Ala Cys Ala Ala Lys Ala Lys Arg Arg Leu Met Thr Leu Thr
1 5 10 15
Lys Pro Ser Arg Glu Ala Pro Leu Pro Phe Ile Leu Leu Gly Gly Ser
20 25 30
Glu Lys Gly Phe Gly Ile Phe Val Asp Ser Val Asp Ser Gly Ser Lys
35 40 45
Ala Thr Glu Ala Gly Leu Lys Arg Gly Asp Gln Ile Leu Glu Val Asn
50 55 60
Gly Gln Asn Phe Glu Asn Ile Gln Leu Ser Lys Ala Met Glu Ile Leu
65 70 75 80
Arg Asn Asn Thr His Leu Ser Ile Thr Val Lys Thr Asn Leu Phe Val
85 90 95
Phe Lys Glu Leu Leu Thr Asn Ser Ser
100 105

<210> 174

<211> 88

<212> PRT

<213> Homo sapiens

<400> 174

Ile Pro Pro Ala Pro Arg Lys Val Glu Met Arg Arg Asp Pro Val Leu
1 5 10 15
Gly Phe Gly Phe Val Ala Gly Ser Glu Lys Pro Val Val Val Arg Ser
20 25 30
Val Thr Pro Gly Gly Pro Ser Glu Gly Lys Leu Ile Pro Gly Asp Gln
35 40 45
Ile Val Met Ile Asn Asp Glu Pro Val Ser Ala Ala Pro Arg Glu Arg
50 55 60
Val Ile Asp Leu Val Arg Ser Cys Lys Glu Ser Ile Leu Leu Thr Val
65 70 75 80
Ile Gln Pro Tyr Pro Ser Pro Lys
85

<210> 175

<211> 101

<212> PRT

<213> Homo sapiens

<400> 175

Leu Asn Lys Arg Thr Thr Met Pro Lys Asp Ser Gly Ala Leu Leu Gly
1 5 10 15

Leu Lys Val Val Gly Gly Lys Met Thr Asp Leu Gly Arg Leu Gly Ala
20 25 30
Phe Ile Thr Lys Val Lys Lys Gly Ser Leu Ala Asp Val Val Gly His
35 40 45
Leu Arg Ala Gly Asp Glu Val Leu Glu Trp Asn Gly Lys Pro Leu Pro
50 55 60
Gly Ala Thr Asn Glu Glu Val Tyr Asn Ile Ile Leu Glu Ser Lys Ser
65 70 75 80
Glu Pro Gln Val Glu Ile Ile Val Ser Arg Pro Ile Gly Asp Ile Pro
85 90 95
Arg Ile His Arg Asp
100

<210> 176

<211> 79

<212> PRT

<213> Homo sapiens

<400> 176

Gln Arg Cys Val Ile Ile Gln Lys Asp Gln His Gly Phe Gly Phe Thr
1 5 10 15
Val Ser Gly Asp Arg Ile Val Leu Val Gln Ser Val Arg Pro Gly Gly
20 25 30
Ala Ala Met Lys Ala Gly Val Lys Glu Gly Asp Arg Ile Ile Lys Val
35 40 45
Asn Gly Thr Met Val Thr Asn Ser Ser His Leu Glu Val Val Lys Leu
50 55 60
Ile Lys Ser Gly Ala Tyr Val Ala Leu Thr Leu Leu Gly Ser Ser
65 70 75

<210> 177

<211> 87

<212> PRT

<213> Homo sapiens

<400> 177

Ile Leu Val Gln Arg Cys Val Ile Ile Gln Lys Asp Asp Asn Gly Phe
1 5 10 15
Gly Leu Thr Val Ser Gly Asp Asn Pro Val Phe Val Gln Ser Val Lys
20 25 30
Glu Asp Gly Ala Ala Met Arg Ala Gly Val Gln Thr Gly Asp Arg Ile
35 40 45
Ile Lys Val Asn Gly Thr Leu Val Thr His Ser Asn His Leu Glu Val
50 55 60
Val Lys Leu Ile Lys Ser Gly Ser Tyr Val Ala Leu Thr Val Gln Gly
65 70 75 80
Arg Pro Pro Gly Asn Ser Ser
85

<210> 178

<211> 79

<212> PRT

<213> Homo sapiens

<400> 178

Ser Val Glu Met Thr Leu Arg Arg Asn Gly Leu Gly Gln Leu Gly Phe
1 5 10 15
His Val Asn Tyr Glu Gly Ile Val Ala Asp Val Glu Pro Tyr Gly Tyr
20 25 30

Ala Trp Gln Ala Gly Leu Arg Gln Gly Ser Arg Leu Val Glu Ile Cys
35 40 45
Lys Val Ala Val Ala Thr Leu Ser His Glu Gln Met Ile Asp Leu Leu
50 55 60
Arg Thr Ser Val Thr Val Lys Val Val Ile Ile Pro Pro His Asp
65 70 75

<210> 179
<211> 96
<212> PRT
<213> Homo sapiens

<400> 179
Leu Lys Val Met Thr Ser Gly Trp Glu Thr Val Asp Met Thr Leu Arg
1 5 10 15
Arg Asn Gly Leu Gly Gln Leu Gly Phe His Val Lys Tyr Asp Gly Thr
20 25 30
Val Ala Glu Val Glu Asp Tyr Gly Phe Ala Trp Gln Ala Gly Leu Arg
35 40 45
Gln Gly Ser Arg Leu Val Glu Ile Cys Lys Val Ala Val Val Thr Leu
50 55 60
Thr His Asp Gln Met Ile Asp Leu Leu Arg Thr Ser Val Thr Val Lys
65 70 75 80
Val Val Ile Ile Pro Pro Phe Glu Asp Gly Thr Pro Arg Arg Gly Trp
85 90 95

<210> 180
<211> 105
<212> PRT
<213> Homo sapiens

<400> 180
His Tyr Ile Phe Pro His Ala Arg Ile Lys Ile Thr Arg Asp Ser Lys
1 5 10 15
Asp His Thr Val Ser Gly Asn Gly Leu Gly Ile Arg Ile Val Gly Gly
20 25 30
Lys Glu Ile Pro Gly His Ser Gly Glu Ile Gly Ala Tyr Ile Ala Lys
35 40 45
Ile Leu Pro Gly Gly Ser Ala Glu Gln Thr Gly Lys Leu Met Glu Gly
50 55 60
Met Gln Val Leu Glu Trp Asn Gly Ile Pro Leu Thr Ser Lys Thr Tyr
65 70 75 80
Glu Glu Val Gln Ser Ile Ile Ser Gln Gln Ser Gly Glu Ala Glu Ile
85 90 95
Cys Val Arg Leu Asp Leu Asn Met Leu
100 105

<210> 181
<211> 103
<212> PRT
<213> Homo sapiens

<400> 181
Leu Cys Gly Ser Leu Arg Pro Pro Ile Val Ile His Ser Ser Gly Lys
1 5 10 15
Lys Tyr Gly Phe Ser Leu Arg Ala Ile Arg Val Tyr Met Gly Asp Ser
20 25 30
Asp Val Tyr Thr Val His His Val Val Trp Ser Val Glu Asp Gly Ser
35 40 45

Pro Ala Gln Glu Ala Gly Leu Arg Ala Gly Asp Leu Ile Thr His Ile
50 55 60
Asn Gly Glu Ser Val Leu Gly Leu Val His Met Asp Val Val Glu Leu
65 70 75 80
Leu Leu Lys Ser Gly Asn Lys Ile Ser Leu Arg Thr Thr Ala Leu Glu
85 90 95
Asn Thr Ser Ile Lys Val Gly
100

<210> 182

<211> 86

<212> PRT

<213> Homo sapiens

<400> 182

Ser Tyr Ser Val Thr Leu Thr Gly Pro Gly Pro Trp Gly Phe Arg Leu
1 5 10 15
Gln Gly Gly Lys Asp Phe Asn Met Pro Leu Thr Ile Ser Arg Ile Thr
20 25 30
Pro Gly Ser Lys Ala Ala Gln Ser Gln Leu Ser Gln Gly Asp Leu Val
35 40 45
Val Ala Ile Asp Gly Val Asn Thr Asp Thr Met Thr His Leu Glu Ala
50 55 60
Gln Asn Lys Ile Lys Ser Ala Ser Tyr Asn Leu Ser Leu Thr Leu Gln
65 70 75 80
Lys Ser Lys Asn Ser Ser
85

<210> 183

<211> 91

<212> PRT

<213> Homo sapiens

<400> 183

Ile Ser Arg Asp Ser Gly Ala Met Leu Gly Leu Lys Val Val Gly Gly
1 5 10 15
Lys Met Thr Glu Ser Gly Arg Leu Cys Ala Phe Ile Thr Lys Val Lys
20 25 30
Lys Gly Ser Leu Ala Asp Thr Val Gly His Leu Arg Pro Gly Asp Glu
35 40 45
Val Leu Glu Trp Asn Gly Arg Leu Leu Gln Gly Ala Thr Phe Glu Glu
50 55 60
Val Tyr Asn Ile Ile Leu Glu Ser Lys Pro Glu Pro Gln Val Glu Leu
65 70 75 80
Val Val Ser Arg Pro Ile Ala Ile His Arg Asp
85 90

<210> 184

<211> 101

<212> PRT

<213> Homo sapiens

<400> 184

Ile Ser Ala Leu Gly Ser Met Arg Pro Pro Ile Ile Ile His Arg Ala
1 5 10 15
Gly Lys Lys Tyr Gly Phe Thr Leu Arg Ala Ile Arg Val Tyr Met Gly
20 25 30
Asp Ser Asp Val Tyr Thr Val His His Met Val Trp His Val Glu Asp
35 40 45

Gly Gly Pro Ala Ser Glu Ala Gly Leu Arg Gln Gly Asp Leu Ile Thr
50 55 60
His Val Asn Gly Glu Pro Val His Gly Leu Val His Thr Glu Val Val
65 70 75 80
Glu Leu Ile Leu Lys Ser Gly Asn Lys Val Ala Ile Ser Thr Thr Pro
85 90 95
Leu Glu Asn Ser Ser
100

<210> 185

<211> 94

<212> PRT

<213> Homo sapiens

<400> 185

Phe Ser Asp Met Arg Ile Ser Ile Asn Gln Thr Pro Gly Lys Ser Leu
1 5 10 15
Asp Phe Gly Phe Thr Ile Lys Trp Asp Ile Pro Gly Ile Phe Val Ala
20 25 30
Ser Val Glu Ala Gly Ser Pro Ala Glu Phe Ser Gln Leu Gln Val Asp
35 40 45
Asp Glu Ile Ile Ala Ile Asn Asn Thr Lys Phe Ser Tyr Asn Asp Ser
50 55 60
Lys Glu Trp Glu Glu Ala Met Ala Lys Ala Gln Glu Thr Gly His Leu
65 70 75 80
Val Met Asp Val Arg Arg Tyr Gly Lys Ala Gly Ser Pro Glu
85 90

<210> 186

<211> 98

<212> PRT

<213> Homo sapiens

<400> 186

Gln Ser Ala His Leu Glu Val Ile Gln Leu Ala Asn Ile Lys Pro Ser
1 5 10 15
Glu Gly Leu Gly Met Tyr Ile Lys Ser Thr Tyr Asp Gly Leu His Val
20 25 30
Ile Thr Gly Thr Thr Glu Asn Ser Pro Ala Asp Arg Cys Lys Lys Ile
35 40 45
His Ala Gly Asp Glu Val Ile Gln Val Asn His Gln Thr Val Val Gly
50 55 60
Trp Gln Leu Lys Asn Leu Val Asn Ala Leu Arg Glu Asp Pro Ser Gly
65 70 75 80
Val Ile Leu Thr Leu Lys Lys Arg Pro Gln Ser Met Leu Thr Ser Ala
85 90 95
Pro Ala

<210> 187

<211> 100

<212> PRT

<213> Homo sapiens

<400> 187

Ile Leu Thr Gln Thr Leu Ile Pro Val Arg His Thr Val Lys Ile Asp
1 5 10 15
Lys Asp Thr Leu Leu Gln Asp Tyr Gly Phe His Ile Ser Glu Ser Leu
20 25 30

Pro Leu Thr Val Val Ala Val Thr Ala Gly Gly Ser Ala His Gly Lys
 35 40 45
 Leu Phe Pro Gly Asp Gln Ile Leu Gln Met Asn Asn Glu Pro Ala Glu
 50 55 60
 Asp Leu Ser Trp Glu Arg Ala Val Asp Ile Leu Arg Glu Ala Glu Asp
 65 70 75 80
 Ser Leu Ser Ile Thr Val Val Arg Cys Thr Ser Gly Val Pro Lys Ser
 85 90 95
 Ser Asn Ser Ser
 100

<210> 188
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 188
 Gly Leu Arg Ser Pro Ile Thr Ile Gln Arg Ser Gly Lys Lys Tyr Gly
 1 5 10 15
 Phe Thr Leu Arg Ala Ile Arg Val Tyr Met Gly Asp Thr Asp Val Tyr
 20 25 30
 Ser Val His His Ile Val Trp His Val Glu Glu Gly Pro Ala Gln
 35 40 45
 Glu Ala Gly Leu Cys Ala Gly Asp Leu Ile Thr His Val Asn Gly Glu
 50 55 60
 Pro Val His Gly Met Val His Pro Glu Val Val Glu Leu Ile Leu Lys
 65 70 75 80
 Ser Gly Asn Lys Val Ala Val Thr Thr Thr Pro Phe Glu
 85 90

<210> 189
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 189
 Gln Gly Glu Glu Thr Lys Ser Leu Thr Leu Val Leu His Arg Asp Ser
 1 5 10 15
 Gly Ser Leu Gly Phe Asn Ile Ile Gly Gly Arg Pro Ser Val Asp Asn
 20 25 30
 His Asp Gly Ser Ser Ser Glu Gly Ile Phe Val Ser Lys Ile Val Asp
 35 40 45
 Ser Gly Pro Ala Ala Lys Glu Gly Leu Gln Ile His Asp Arg Ile
 50 55 60
 Ile Glu Val Asn Gly Arg Asp Leu Ser Arg Ala Thr His Asp Gln Ala
 65 70 75 80
 Val Glu Ala Phe Lys Thr Ala Lys Glu Pro Ile Val Val Gln Val Leu
 85 90 95
 Arg Arg Thr Pro Arg Thr Lys Met Phe Thr Pro
 100 105

<210> 190
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 190
 Gln Glu Met Asp Arg Glu Glu Leu Glu Leu Glu Glu Val Asp Leu Tyr
 1 5 10 15

Arg Met Asn Ser Gln Asp Lys Leu Gly Leu Thr Val Cys Tyr Arg Thr
20 25 30
Asp Asp Glu Asp Asp Ile Gly Ile Tyr Ile Ser Glu Ile Asp Pro Asn
35 40 45
Ser Ile Ala Ala Lys Asp Gly Arg Ile Arg Glu Gly Asp Arg Ile Ile
50 55 60
Gln Ile Asn Gly Ile Glu Val Gln Asn Arg Glu Glu Ala Val Ala Leu
65 70 75 80
Leu Thr Ser Glu Glu Asn Lys Asn Phe Ser Leu Leu Ile Ala Arg Pro
85 90 95
Glu Leu Gln Leu Asp
100

<210> 191
<211> 91
<212> PRT
<213> Homo sapiens

<400> 191
Arg Ser Phe Gln Tyr Val Pro Val Gln Leu Gln Gly Gly Ala Pro Trp
1 5 10 15
Gly Phe Thr Leu Lys Gly Gly Leu Glu His Cys Glu Pro Leu Thr Val
20 25 30
Ser Lys Ile Glu Asp Gly Gly Lys Ala Ala Leu Ser Gln Lys Met Arg
35 40 45
Thr Gly Asp Glu Leu Val Asn Ile Asn Gly Thr Pro Leu Tyr Gly Ser
50 55 60
Arg Gln Glu Ala Leu Ile Leu Ile Lys Gly Ser Phe Arg Ile Leu Lys
65 70 75 80
Leu Ile Val Arg Arg Asn Ala Pro Val Ser
85 90

<210> 192
<211> 102
<212> PRT
<213> Homo sapiens

<400> 192
Ile Leu Glu Lys Leu Glu Leu Phe Pro Val Glu Leu Glu Lys Asp Glu
1 5 10 15
Asp Gly Leu Gly Ile Ser Ile Ile Gly Met Gly Val Gly Ala Asp Ala
20 25 30
Gly Leu Glu Lys Leu Gly Ile Phe Val Lys Thr Val Thr Glu Gly Gly
35 40 45
Ala Ala Gln Arg Asp Gly Arg Ile Gln Val Asn Asp Gln Ile Val Glu
50 55 60
Val Asp Gly Ile Ser Leu Val Gly Val Thr Gln Asn Phe Ala Ala Thr
65 70 75 80
Val Leu Arg Asn Thr Lys Gly Asn Val Arg Phe Val Ile Gly Arg Glu
85 90 95
Lys Pro Gly Gln Val Ser
100

<210> 193
<211> 113
<212> PRT
<213> Homo sapiens

<400> 193

Lys Asp Val Asn Val Tyr Val Asn Pro Lys Lys Leu Thr Val Ile Lys
1 5 10 15
Ala Lys Glu Gln Leu Lys Leu Leu Glu Val Leu Val Gly Ile Ile His
20 25 30
Gln Thr Lys Trp Ser Trp Arg Arg Thr Gly Lys Gln Gly Asp Gly Glu
35 40 45
Arg Leu Val Val His Gly Leu Leu Pro Gly Gly Ser Ala Met Lys Ser
50 55 60
Gly Gln Val Leu Ile Gly Asp Val Leu Val Ala Val Asn Asp Val Asp
65 70 75 80
Val Thr Thr Glu Asn Ile Glu Arg Val Leu Ser Cys Ile Pro Gly Pro
85 90 95
Met Gln Val Lys Leu Thr Phe Glu Asn Ala Tyr Asp Val Lys Arg Glu
100 105 110
Thr

<210> 194
<211> 90
<212> PRT
<213> Homo sapiens

<400> 194
Thr Arg Gly Cys Glu Thr Val Glu Met Thr Leu Arg Arg Asn Gly Leu
1 5 10 15
Gly Gln Leu Gly Phe His Val Asn Phe Glu Gly Ile Val Ala Asp Val
20 25 30
Glu Pro Phe Gly Phe Ala Trp Lys Ala Gly Leu Arg Gln Gly Ser Arg
35 40 45
Leu Val Glu Ile Cys Lys Val Ala Val Ala Thr Leu Thr His Glu Gln
50 55 60
Met Ile Asp Leu Leu Arg Thr Ser Val Thr Val Lys Val Val Ile Ile
65 70 75 80
Gln Pro His Asp Asp Gly Ser Pro Arg Arg
85 90

<210> 195
<211> 96
<212> PRT
<213> Homo sapiens

<400> 195
Val Glu Asn Ile Leu Ala Lys Arg Leu Leu Ile Leu Pro Gln Glu Glu
1 5 10 15
Asp Tyr Gly Phe Asp Ile Glu Glu Lys Asn Lys Ala Val Val Val Lys
20 25 30
Ser Val Gln Arg Gly Ser Leu Ala Glu Val Ala Gly Leu Gln Val Gly
35 40 45
Arg Lys Ile Tyr Ser Ile Asn Glu Asp Leu Val Phe Leu Arg Pro Phe
50 55 60
Ser Glu Val Glu Ser Ile Leu Asn Gln Ser Phe Cys Ser Arg Arg Pro
65 70 75 80
Leu Arg Leu Leu Val Ala Thr Lys Ala Lys Glu Ile Ile Lys Ile Pro
85 90 95

<210> 196
<211> 103
<212> PRT
<213> Homo sapiens

<400> 196

Pro Asp Ser Ala Gly Pro Gly Glu Val Arg Leu Val Ser Leu Arg Arg
1 5 10 15
Ala Lys Ala His Glu Gly Leu Gly Phe Ser Ile Arg Gly Gly Ser Glu
20 25 30
His Gly Val Gly Ile Tyr Val Ser Leu Val Glu Pro Gly Ser Leu Ala
35 40 45
Glu Lys Glu Gly Leu Arg Val Gly Asp Gln Ile Leu Arg Val Asn Asp
50 55 60
Lys Ser Leu Ala Arg Val Thr His Ala Glu Ala Val Lys Ala Leu. Lys
65 70 75 80
Gly Ser Lys Lys Leu Val Leu Ser Val Tyr Ser Ala Gly Arg Ile Pro
85 90 95
Gly Gly Tyr Val Thr Asn His
100

<210> 197

<211> 100

<212> PRT

<213> Homo sapiens

<400> 197

Leu Gln Gly Gly Asp Glu Lys Lys Val Asn Leu Val Leu Gly Asp Gly
1 5 10 15
Arg Ser Leu Gly Leu Thr Ile Arg Gly Gly Ala Glu Tyr Gly Leu Gly
20 25 30
Ile Tyr Ile Thr Gly Val Asp Pro Gly Ser Glu Ala Glu Gly Ser Gly
35 40 45
Leu Lys Val Gly Asp Gln Ile Leu Glu Val Asn Trp Arg Ser Phe Leu
50 55 60
Asn Ile Leu His Asp Glu Ala Val Arg Leu Leu Lys Ser Ser Arg His
65 70 75 80
Leu Ile Leu Thr Val Lys Asp Val Gly Arg Leu Pro His Ala Arg Thr
85 90 95
Thr Val Asp Glu
100

<210> 198

<211> 87

<212> PRT

<213> Homo sapiens

<400> 198

Trp Thr Ser Gly Ala His Val His Ser Gly Pro Cys Glu Glu Lys Cys
1 5 10 15
Gly His Pro Gly His Arg Gln Pro Leu Pro Arg Ile Val Thr Ile Gln
20 25 30
Arg Gly Gly Ser Ala His Asn Cys Gly Gln Leu Lys Val Gly His Val
35 40 45
Ile Leu Glu Val Asn Gly Leu Thr Leu Arg Gly Lys Glu His Arg Glu
50 55 60
Ala Ala Arg Ile Ile Ala Glu Ala Phe Lys Thr Lys Asp Arg Asp Tyr
65 70 75 80
Ile Asp Phe Leu Asp Ser Leu
85

<210> 199

<211> 100

<212> PRT

<213> Homo sapiens

<400> 199

Glu Leu Arg Arg Ala Glu Leu Val Glu Ile Ile Val Glu Thr Glu Ala
1 5 10 15
Gln Thr Gly Val Ser Gly Ile Asn Val Ala Gly Gly Lys Glu Gly
20 25 30
Ile Phe Val Arg Glu Leu Arg Glu Asp Ser Pro Ala Ala Arg Ser Leu
35 40 45
Ser Leu Gln Glu Gly Asp Gln Leu Leu Ser Ala Arg Val Phe Phe Glu
50 55 60
Asn Phe Lys Tyr Glu Asp Ala Leu Arg Leu Leu Gln Cys Ala Glu Pro
65 70 75 80
Tyr Lys Val Ser Phe Cys Leu Lys Arg Thr Val Pro Thr Gly Asp Leu
85 90 95
Ala Leu Arg Pro
100

<210> 200

<211> 102

<212> PRT

<213> Homo sapiens

<400> 200

Pro Ser Gln Leu Lys Gly Val Leu Val Arg Ala Ser Leu Lys Lys Ser
1 5 10 15
Thr Met Gly Phe Gly Phe Thr Ile Ile Gly Gly Asp Arg Pro Asp Glu
20 25 30
Phe Leu Gln Val Lys Asn Val Leu Lys Asp Gly Pro Ala Ala Gln Asp
35 40 45
Gly Lys Ile Ala Pro Gly Asp Val Ile Val Asp Ile Asn Gly Asn Cys
50 55 60
Val Leu Gly His Thr His Ala Asp Val Val Gln Met Phe Gln Leu Val
65 70 75 80
Pro Val Asn Gln Tyr Val Asn Leu Thr Leu Cys Arg Gly Tyr Pro Leu
85 90 95
Pro Asp Asp Ser Glu Asp
100

<210> 201

<211> 100

<212> PRT

<213> Homo sapiens

<400> 201

Ala Ser Ser Gly Ser Ser Gln Pro Glu Leu Val Thr Ile Pro Leu Ile
1 5 10 15
Lys Gly Pro Lys Gly Phe Gly Phe Ala Ile Ala Asp Ser Pro Thr Gly
20 25 30
Gln Lys Val Lys Met Ile Leu Asp Ser Gln Trp Cys Gln Gly Leu Gln
35 40 45
Lys Gly Asp Ile Ile Lys Glu Ile Tyr His Gln Asn Val Gln Asn Leu
50 55 60
Thr His Leu Gln Val Val Glu Val Leu Lys Gln Phe Pro Val Gly Ala
65 70 75 80
Asp Val Pro Leu Leu Ile Leu Arg Gly Gly Pro Pro Ser Pro Thr Lys
85 90 95
Thr Ala Lys Met
100

<210> 202
<211> 143
<212> PRT
<213> Homo sapiens

<400> 202
Leu Tyr Glu Asp Lys Pro Pro Leu Thr Asn Thr Phe Leu Ile Ser Asn
1 5 10 15
Pro Arg Thr Thr Ala Asp Pro Arg Ile Leu Tyr Glu Asp Lys Pro Pro
20 25 30
Asn Thr Lys Asp Leu Asp Val Phe Leu Arg Lys Gln Glu Ser Gly Phe
35 40 45
Gly Phe Arg Val Leu Gly Gly Asp Gly Pro Asp Gln Ser Ile Tyr Ile
50 55 60
Gly Ala Ile Ile Pro Leu Gly Ala Ala Glu Lys Asp Gly Arg Leu Arg
65 70 75 80
Ala Ala Asp Glu Leu Met Cys Ile Asp Gly Ile Pro Val Lys Gly Lys
85 90 95
Ser His Lys Gln Val Leu Asp Leu Met Thr Thr Ala Ala Arg Asn Gly
100 105 110
His Val Leu Leu Thr Val Arg Arg Lys Ile Phe Tyr Gly Glu Lys Gln
115 120 125
Pro Glu Asp Asp Ser Gly Ser Pro Gly Ile His Arg Glu Leu Thr
130 135 140

<210> 203
<211> 102
<212> PRT
<213> Homo sapiens

<400> 203
Pro Ala Pro Gln Glu Pro Tyr Asp Val Val Leu Gln Arg Lys Glu Asn
1 5 10 15
Glu Gly Phe Gly Phe Val Ile Leu Thr Ser Lys Asn Lys Pro Pro Pro
20 25 30
Gly Val Ile Pro His Lys Ile Gly Arg Val Ile Glu Gly Ser Pro Ala
35 40 45
Asp Arg Cys Gly Lys Leu Lys Val Gly Asp His Ile Ser Ala Val Asn
50 55 60
Gly Gln Ser Ile Val Glu Leu Ser His Asp Asn Ile Val Gln Leu Ile
65 70 75 80
Lys Asp Ala Gly Val Thr Val Thr Leu Thr Val Ile Ala Glu Glu Glu
85 90 95
His His Gly Pro Pro Ser
100

<210> 204
<211> 98
<212> PRT
<213> Homo sapiens

<400> 204
Gln Asn Leu Gly Cys Tyr Pro Val Glu Leu Glu Arg Gly Pro Arg Gly
1 5 10 15
Phe Gly Phe Ser Leu Arg Gly Gly Lys Glu Tyr Asn Met Gly Leu Phe
20 25 30
Ile Leu Arg Leu Ala Glu Asp Gly Pro Ala Ile Lys Asp Gly Arg Ile
35 40 45

His Val Gly Asp Gln Ile Val Glu Ile Asn Gly Glu Pro Thr Gln Gly
50 55 60
Ile Thr His Thr Arg Ala Ile Glu Leu Ile Gln Ala Gly Gly Asn Lys
65 70 75 80
Val Leu Leu Leu Leu Arg Pro Gly Thr Gly Leu Ile Pro Asp His Gly
85 90 95
Leu Ala

<210> 205
<211> 84
<212> PRT
<213> Homo sapiens

<400> 205
Ile Thr Val Val Glu Leu Ile Lys Lys Glu Gly Ser Thr Leu Gly Leu
1 5 10 15
Thr Ile Ser Gly Gly Thr Asp Lys Asp Gly Lys Pro Arg Val Ser Asn
20 25 30
Leu Arg Pro Gly Gly Leu Ala Ala Arg Ser Asp Leu Leu Asn Ile Gly
35 40 45
Asp Tyr Ile Arg Ser Val Asn Gly Ile His Leu Thr Arg Leu Arg His
50 55 60
Asp Glu Ile Ile Thr Leu Leu Lys Asn Val Gly Glu Arg Val Val Leu
65 70 75 80
Glu Val Glu Tyr

<210> 206
<211> 92
<212> PRT
<213> Homo sapiens

<400> 206
Ile Leu Asp Val Ser Leu Tyr Lys Glu Gly Asn Ser Phe Gly Phe Val
1 5 10 15
Leu Arg Gly Gly Ala His Glu Asp Gly His Lys Ser Arg Pro Leu Val
20 25 30
Leu Thr Tyr Val Arg Pro Gly Gly Pro Ala Asp Arg Glu Gly Ser Leu
35 40 45
Lys Val Gly Asp Arg Leu Leu Ser Val Asp Gly Ile Pro Leu His Gly
50 55 60
Ala Ser His Ala Thr Ala Leu Ala Thr Leu Arg Gln Cys Ser His Glu
65 70 75 80
Ala Leu Phe Gln Val Glu Tyr Asp Val Ala Thr Pro
85 90

<210> 207
<211> 102
<212> PRT
<213> Homo sapiens

<400> 207
Ile His Thr Val Ala Asn Ala Ser Gly Pro Leu Met Val Glu Ile Val
1 5 10 15
Lys Thr Pro Gly Ser Ala Leu Gly Ile Ser Leu Thr Thr Ser Leu
20 25 30
Arg Asn Lys Ser Val Ile Thr Ile Asp Arg Ile Lys Pro Ala Ser Val
35 40 45

Val Asp Arg Ser Gly Ala Leu His Pro Gly Asp His Ile Leu Ser Ile
50 55 60
Asp Gly Thr Ser Met Glu His Cys Ser Leu Leu Glu Ala Thr Lys Leu
65 70 75 80
Leu Ala Ser Ile Ser Glu Lys Val Arg Leu Glu Ile Leu Pro Val Pro
85 90 95
Gln Ser Gln Arg Pro Leu
100

<210> 208
<211> 103
<212> PRT
<213> Homo sapiens

<400> 208
Ile Gln Ile Val His Thr Glu Thr Thr Glu Val Val Leu Cys Gly Asp
1 5 10 15
Pro Leu Ser Gly Phe Gly Leu Gln Leu Gln Gly Gly Ile Phe Ala Thr
20 25 30
Glu Thr Leu Ser Ser Pro Pro Leu Val Cys Phe Ile Glu Pro Asp Ser
35 40 45
Pro Ala Glu Arg Cys Gly Leu Leu Gln Val Gly Asp Arg Val Leu Ser
50 55 60
Ile Asn Gly Ile Ala Thr Glu Asp Gly Thr Met Glu Glu Ala Asn Gln
65 70 75 80
Leu Leu Arg Asp Ala Ala Leu Ala His Lys Val Val Leu Glu Val Glu
85 90 95
Phe Asp Val Ala Glu Ser Val
100

<210> 209
<211> 103
<212> PRT
<213> Homo sapiens

<400> 209
Ile Gln Phe Asp Val Ala Glu Ser Val Ile Pro Ser Ser Gly Thr Phe
1 5 10 15
His Val Lys Leu Pro Lys Lys Arg Ser Val Glu Leu Gly Ile Thr Ile
20 25 30
Ser Ser Ala Ser Arg Lys Arg Gly Glu Pro Leu Ile Ile Ser Asp Ile
35 40 45
Lys Lys Gly Ser Val Ala His Arg Thr Gly Thr Leu Glu Pro Gly Asp
50 55 60
Lys Leu Leu Ala Ile Asp Asn Ile Arg Leu Asp Asn Cys Pro Met Glu
65 70 75 80
Asp Ala Val Gln Ile Leu Arg Gln Cys Glu Asp Leu Val Lys Leu Lys
85 90 95
Ile Arg Lys Asp Glu Asp Asn
100

<210> 210
<211> 94
<212> PRT
<213> Homo sapiens

<400> 210
Ile Gln Thr Thr Gly Ala Val Ser Tyr Thr Val Glu Leu Lys Arg Tyr
1 5 10 15

Gly Gly Pro Leu Gly Ile Thr Ile Ser Gly Thr Glu Glu Pro Phe Asp
20 25 30
Pro Ile Val Ile Ser Gly Leu Thr Lys Arg Gly Leu Ala Glu Arg Thr
35 40 45
Gly Ala Ile His Val Gly Asp Arg Ile Leu Ala Ile Asn Asn Val Ser
50 55 60
Leu Lys Gly Arg Pro Leu Ser Glu Ala Ile His Leu Leu Gln Val Ala
65 70 75 80
Gly Glu Thr Val Thr Leu Lys Ile Lys Lys Gln Leu Asp Arg
85 90

<210> 211
<211> 105
<212> PRT
<213> Homo sapiens

<400> 211
Ile Leu Glu Met Glu Glu Leu Leu Leu Pro Thr Pro Leu Glu Met His
1 5 10 15
Lys Val Thr Leu His Lys Asp Pro Met Arg His Asp Phe Gly Phe Ser
20 25 30
Val Ser Asp Gly Leu Leu Glu Lys Gly Val Tyr Val His Thr Val Arg
35 40 45
Pro Asp Gly Pro Ala His Arg Gly Gly Leu Gln Pro Phe Asp Arg Val
50 55 60
Leu Gln Val Asn His Val Arg Thr Arg Asp Phe Asp Cys Cys Leu Ala
65 70 75 80
Val Pro Leu Leu Ala Glu Ala Gly Asp Val Leu Glu Leu Ile Ile Ser
85 90 95
Arg Lys Pro His Thr Ala His Ser Ser
100 105

<210> 212
<211> 91
<212> PRT
<213> Homo sapiens

<400> 212
Met Ala Leu Thr Val Asp Val Ala Gly Pro Ala Pro Trp Gly Phe Arg
1 5 10 15
Ile Thr Gly Gly Arg Asp Phe His Thr Pro Ile Met Val Thr Lys Val
20 25 30
Ala Glu Arg Gly Lys Ala Lys Asp Ala Asp Leu Arg Pro Gly Asp Ile
35 40 45
Ile Val Ala Ile Asn Gly Glu Ser Ala Glu Gly Met Leu His Ala Glu
50 55 60
Ala Gln Ser Lys Ile Arg Gln Ser Pro Ser Pro Leu Arg Leu Gln Leu
65 70 75 80
Asp Arg Ser Gln Ala Thr Ser Pro Gly Gln Thr
85 90

<210> 213
<211> 84
<212> PRT
<213> Homo sapiens

<400> 213
Ser Asn Tyr Ser Val Ser Leu Val Gly Pro Ala Pro Trp Gly Phe Arg
1 5 10 15

Leu Gln Gly Gly Lys Asp Phe Asn Met Pro Leu Thr Ile Ser Ser Leu
 20 25 30
 Lys Asp Gly Gly Lys Ala Ala Gln Ala Asn Val Arg Ile Gly Asp Val
 35 40 45
 Val Leu Ser Ile Asp Gly Ile Asn Ala Gln Gly Met Thr His Leu Glu
 50 55 60
 Ala Gln Asn Lys Ile Lys Gly Cys Thr Gly Ser Leu Asn Met Thr Leu
 65 70 75 80
 Gln Arg Ala Ser

<210> 214

<211> 133

<212> PRT

<213> Homo sapiens

<400> 214

Thr Leu Val Glu His Ser Lys Leu Tyr Cys Gly His Cys Tyr Tyr Gln
 1 5 10 15
 Thr Val Val Thr Pro Val Ile Glu Gln Ile Leu Pro Asp Ser Pro Gly
 20 25 30
 Ser His Leu Pro His Thr Val Thr Leu Val Ser Ile Pro Ala Ser Ser
 35 40 45
 His Gly Lys Arg Gly Leu Ser Val Ser Ile Asp Pro Pro His Gly Pro
 50 55 60
 Pro Gly Cys Gly Thr Glu His Ser His Thr Val Arg Val Gln Gly Val
 65 70 75 80
 Asp Pro Gly Cys Met Ser Pro Asp Val Lys Asn Ser Ile His Val Gly
 85 90 95
 Asp Arg Ile Leu Glu Ile Asn Gly Thr Pro Ile Arg Asn Val Pro Leu
 100 105 110
 Asp Glu Ile Asp Leu Leu Ile Gln Glu Thr Ser Arg Leu Leu Gln Leu
 115 120 125
 Thr Leu Glu His Asp
 130

<210> 215

<211> 92

<212> PRT

<213> Homo sapiens

<400> 215

Pro Tyr Ser Val Thr Leu Ile Ser Met Pro Ala Thr Thr Glu Gly Arg
 1 5 10 15
 Arg Gly Phe Ser Val Ser Val Glu Ser Ala Cys Ser Asn Tyr Ala Thr
 20 25 30
 Thr Val Gln Val Lys Glu Val Asn Arg Met His Ile Ser Pro Asn Asn
 35 40 45
 Arg Asn Ala Ile His Pro Gly Asp Arg Ile Leu Glu Ile Asn Gly Thr
 50 55 60
 Pro Val Arg Thr Leu Arg Val Glu Glu Val Glu Asp Ala Ile Ser Gln
 65 70 75 80
 Thr Ser Gln Thr Leu Gln Leu Leu Ile Glu His Asp
 85 90

<210> 216

<211> 82

<212> PRT

<213> Homo sapiens

<400> 216
Ile His Ser Val Thr Leu Arg Gly Pro Ser Pro Trp Gly Phe Arg Leu
1 5 10 15
Val Gly Arg Asp Phe Ser Ala Pro Leu Thr Ile Ser Arg Val His Ala
20 25 30
Gly Ser Lys Ala Ser Leu Ala Ala Leu Cys Pro Gly Asp Leu Ile Gln
35 40 45
Ala Ile Asn Gly Glu Ser Thr Glu Leu Met Thr His Leu Glu Ala Gln
50 55 60
Asn Arg Ile Lys Gly Cys His Asp His Leu Thr Leu Ser Val Ser Arg
65 70 75 80
Pro Glu

<210> 217
<211> 74
<212> PRT
<213> Homo sapiens

<400> 217
Val Cys Tyr Arg Thr Asp Asp Glu Glu Asp Leu Gly Ile Tyr Val Gly
1 5 10 15
Glu Val Asn Pro Asn Ser Ile Ala Ala Lys Asp Gly Arg Ile Arg Glu
20 25 30
Gly Asp Arg Ile Ile Gln Ile Asn Gly Val Asp Val Gln Asn Arg Glu
35 40 45
Glu Ala Val Ala Ile Leu Ser Gln Glu Glu Asn Thr Asn Ile Ser Leu
50 55 60
Leu Val Ala Arg Pro Glu Ser Gln Leu Ala
65 70

<210> 218
<211> 103
<212> PRT
<213> Homo sapiens

<400> 218
Ile Gln Lys Lys Asn His Trp Thr Ser Arg Val His Glu Cys Thr Val
1 5 10 15
Lys Arg Gly Pro Gln Gly Glu Leu Gly Val Thr Val Leu Gly Gly Ala
20 25 30
Glu His Gly Glu Phe Pro Tyr Val Gly Ala Val Ala Val Glu Ala
35 40 45
Ala Gly Leu Pro Gly Gly Glu Gly Pro Arg Leu Gly Glu Gly Glu
50 55 60
Leu Leu Leu Glu Val Gln Gly Val Arg Val Ser Gly Leu Pro Arg Tyr
65 70 75 80
Asp Val Leu Gly Val Ile Asp Ser Cys Lys Glu Ala Val Thr Phe Lys
85 90 95
Ala Val Arg Gln Gly Gly Arg
100

<210> 219
<211> 104
<212> PRT
<213> Homo sapiens

<400> 219

Pro Ser Glu Leu Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser
 1 5 10 15
 Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu
 20 25 30
 Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp
 35 40 45
 Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys
 50 55 60
 Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile
 65 70 75 80
 Pro Ile Gly Ala Ser Val Asp Leu Glu Leu Cys Arg Gly Tyr Pro Leu
 85 90 95
 Pro Phe Asp Pro Asp Asp Pro Asn
 100

<210> 220

<211> 92

<212> PRT

<213> Homo sapiens

<400> 220

Pro Ala Thr Gln Pro Glu Leu Ile Thr Val His Ile Val Lys Gly Pro
 1 5 10 15
 Met Gly Phe Gly Phe Thr Ile Ala Asp Ser Pro Gly Gly Gly Gln
 20 25 30
 Arg Val Lys Gln Ile Val Asp Ser Pro Arg Cys Arg Gly Leu Lys Glu
 35 40 45
 Gly Asp Leu Ile Val Glu Val Asn Lys Lys Asn Val Gln Ala Leu Thr
 50 55 60
 His Asn Gln Val Val Asp Met Leu Val Glu Cys Pro Lys Gly Ser Glu
 65 70 75 80
 Val Thr Leu Leu Val Gln Arg Gly Gly Asn Leu Ser
 85 90

<210> 221

<211> 102

<212> PRT

<213> Homo sapiens

<400> 221

Pro Asp Tyr Gln Glu Gln Asp Ile Phe Leu Trp Arg Lys Glu Thr Gly
 1 5 10 15
 Phe Gly Phe Arg Ile Leu Gly Gly Asn Glu Pro Gly Glu Pro Ile Tyr
 20 25 30
 Ile Gly His Ile Val Pro Leu Gly Ala Ala Asp Thr Asp Gly Arg Leu
 35 40 45
 Arg Ser Gly Asp Glu Leu Ile Cys Val Asp Gly Thr Pro Val Ile Gly
 50 55 60
 Lys Ser His Gln Leu Val Val Gln Leu Met Gln Gln Ala Ala Lys Gln
 65 70 75 80
 Gly His Val Asn Leu Thr Val Arg Arg Lys Val Val Phe Ala Val Pro
 85 90 95
 Lys Thr Glu Asn Ser Ser
 100

<210> 222

<211> 112

<212> PRT

<213> Homo sapiens

<400> 222

Gly Val Val Ser Thr Val Val Gln Pro Tyr Asp Val Glu Ile Arg Arg
1 5 10 15
Gly Glu Asn Glu Gly Phe Gly Phe Val Ile Val Ser Ser Val Ser Arg
20 25 30
Pro Glu Ala Gly Thr Thr Phe Ala Gly Asn Ala Cys Val Ala Met Pro
35 40 45
His Lys Ile Gly Arg Ile Ile Glu Gly Ser Pro Ala Asp Arg Cys Gly
50 55 60
Lys Leu Lys Val Gly Asp Arg Ile Leu Ala Val Asn Gly Cys Ser Ile
65 70 75 80
Thr Asn Lys Ser His Ser Asp Ile Val Asn Leu Ile Lys Glu Ala Gly
85 90 95
Asn Thr Val Thr Leu Arg Ile Ile Pro Gly Asp Glu Ser Ser Asn Ala
100 105 110

<210> 223

<211> 91

<212> PRT

<213> Homo sapiens

<400> 223

Gln Ala Thr Gln Glu Gln Asp Phe Tyr Thr Val Glu Leu Glu Arg Gly
1 5 10 15
Ala Lys Gly Phe Gly Phe Ser Leu Arg Gly Gly Arg Glu Tyr Asn Met
20 25 30
Asp Leu Tyr Val Leu Arg Leu Ala Glu Asp Gly Pro Ala Glu Arg Cys
35 40 45
Gly Lys Met Arg Ile Gly Asp Glu Ile Leu Glu Ile Asn Gly Glu Thr
50 55 60
Thr Lys Asn Met Lys His Ser Arg Ala Ile Glu Leu Ile Lys Asn Gly
65 70 75 80
Gly Arg Arg Val Arg Leu Phe Leu Lys Arg Gly
85 90

<210> 224

<211> 100

<212> PRT

<213> Homo sapiens

<400> 224

Pro Ala Lys Met Glu Lys Glu Glu Thr Thr Arg Glu Leu Leu Leu Pro
1 5 10 15
Asn Trp Gln Gly Ser Gly Ser His Gly Leu Thr Ile Ala Gln Arg Asp
20 25 30
Asp Gly Val Phe Val Gln Glu Val Thr Gln Asn Ser Pro Ala Ala Arg
35 40 45
Thr Gly Val Val Lys Glu Gly Asp Gln Ile Val Gly Ala Thr Ile Tyr
50 55 60
Phe Asp Asn Leu Gln Ser Gly Glu Val Thr Gln Leu Leu Asn Thr Met
65 70 75 80
Gly His His Thr Val Gly Leu Lys Leu His Arg Lys Gly Asp Arg Ser
85 90 95
Pro Asn Ser Ser
100

<210> 225

<211> 97

<212> PRT

<213> Homo sapiens

<400> 225

Ser	Glu	Asn	Cys	Lys	Val	Phe	Ile	Glu	Lys	Gln	Lys	Gly	Glu	Ile	Leu
1	5							10						15	
Gly	Val	Val	Ile	Val	Glu	Ser	Gly	Trp	Gly	Ser	Ile	Leu	Pro	Thr	Val
	20							25					30		
Ile	Ile	Ala	Asn	Met	Met	His	Gly	Gly	Pro	Ala	Glu	Lys	Ser	Gly	Lys
	35						40					45			
Leu	Asn	Ile	Gly	Asp	Gln	Ile	Met	Ser	Ile	Asn	Gly	Thr	Ser	Leu	Val
	50						55					60			
Gly	Leu	Pro	Leu	Ser	Thr	Cys	Gln	Ser	Ile	Ile	Lys	Gly	Leu	Lys	Asn
	65						70				75			80	
Gln	Ser	Arg	Val	Lys	Leu	Asn	Ile	Val	Arg	Cys	Pro	Pro	Val	Asn	Ser
							85			90				95	
Ser															

<210> 226

<211> 92

<212> PRT

<213> Homo sapiens

<400> 226

Leu	Arg	Cys	Pro	Pro	Val	Thr	Thr	Val	Leu	Ile	Arg	Arg	Pro	Asp	Leu
1	5							10					15		
Arg	Tyr	Gln	Leu	Gly	Phe	Ser	Val	Gln	Asn	Gly	Ile	Ile	Cys	Ser	Leu
	20							25					30		
Met	Arg	Gly	Gly	Ile	Ala	Glu	Arg	Gly	Gly	Val	Arg	Val	Gly	His	Arg
	35						40					45			
Ile	Ile	Glu	Ile	Asn	Gly	Gln	Ser	Val	Val	Ala	Thr	Pro	His	Glu	Lys
	50						55				60				
Ile	Val	His	Ile	Leu	Ser	Asn	Ala	Val	Gly	Glu	Ile	His	Met	Lys	Thr
	65						70				75			80	
Met	Pro	Ala	Ala	Met	Tyr	Arg	Leu	Leu	Asn	Ser	Ser				
							85				90				

<210> 227

<211> 103

<212> PRT

<213> Homo sapiens

<400> 227

Leu	Ser	Asn	Ser	Asp	Asn	Cys	Arg	Glu	Val	His	Leu	Glu	Lys	Arg	Arg
1							5				10			15	
Gly	Glu	Gly	Leu	Gly	Val	Ala	Leu	Val	Glu	Ser	Gly	Trp	Gly	Ser	Leu
	20						25					30			
Leu	Pro	Thr	Ala	Val	Ile	Ala	Asn	Leu	Leu	His	Gly	Gly	Pro	Ala	Glu
	35						40					45			
Arg	Ser	Gly	Ala	Leu	Ser	Ile	Gly	Asp	Arg	Leu	Thr	Ala	Ile	Asn	Gly
	50						55				60				
Thr	Ser	Leu	Val	Gly	Leu	Pro	Leu	Ala	Ala	Cys	Gln	Ala	Ala	Val	Arg
	65						70				75			80	
Glu	Thr	Lys	Ser	Gln	Thr	Ser	Val	Thr	Leu	Ser	Ile	Val	His	Cys	Pro
							85				90			95	
Pro	Val	Thr	Thr	Ala	Ile	Met									
						100									

<210> 228
<211> 92
<212> PRT
<213> Homo sapiens

<400> 228
Leu Val His Cys Pro Pro Val Thr Thr Ala Ile Ile His Arg Pro His
1 5 10 15
Ala Arg Glu Gln Leu Gly Phe Cys Val Glu Asp Gly Ile Ile Cys Ser
20 25 30
Leu Leu Arg Gly Gly Ile Ala Glu Arg Gly Gly Ile Arg Val Gly His
35 40 45
Arg Ile Ile Glu Ile Asn Gly Gln Ser Val Val Ala Thr Pro His Ala
50 55 60
Arg Ile Ile Glu Leu Leu Thr Glu Ala Tyr Gly Glu Val His Ile Lys
65 70 75 80
Thr Met Pro Ala Ala Thr Tyr Arg Leu Leu Thr Gly
85 90

<210> 229
<211> 86
<212> PRT
<213> Homo sapiens

<400> 229
Arg Lys Val Arg Leu Ile Gln Phe Glu Lys Val Thr Glu Glu Pro Met
1 5 10 15
Gly Ile Thr Leu Lys Leu Asn Glu Lys Gln Ser Cys Thr Val Ala Arg
20 25 30
Ile Leu His Gly Gly Met Ile His Arg Gln Gly Ser Leu His Val Gly
35 40 45
Asp Glu Ile Leu Glu Ile Asn Gly Thr Asn Val Thr Asn His Ser Val
50 55 60
Asp Gln Leu Gln Lys Ala Met Lys Glu Thr Lys Gly Met Ile Ser Leu
65 70 75 80
Lys Val Ile Pro Asn Gln
85

<210> 230
<211> 89
<212> PRT
<213> Homo sapiens

<400> 230
Pro Val Pro Pro Asp Ala Val Arg Met Val Gly Ile Arg Lys Thr Ala
1 5 10 15
Gly Glu His Leu Gly Val Thr Phe Arg Val Glu Gly Gly Glu Leu Val
20 25 30
Ile Ala Arg Ile Leu His Gly Gly Met Val Ala Gln Gln Gly Leu Leu
35 40 45
His Val Gly Asp Ile Ile Lys Glu Val Asn Gly Gln Pro Val Gly Ser
50 55 60
Asp Pro Arg Ala Leu Gln Glu Leu Leu Arg Asn Ala Ser Gly Ser Val
65 70 75 80
Ile Leu Lys Ile Leu Pro Asn Tyr Gln
85

<210> 231
<211> 99

<212> PRT

<213> Homo sapiens

<400> 231

Gln Gly Arg His Val Glu Val Phe Glu Leu Leu Lys Pro Pro Ser Gly
1 5 10 15
Gly Leu Gly Phe Ser Val Val Gly Leu Arg Ser Glu Asn Arg Gly Glu
20 25 30
Leu Gly Ile Phe Val Gln Glu Ile Gln Glu Gly Ser Val Ala His Arg
35 40 45
Asp Gly Arg Leu Lys Glu Thr Asp Gln Ile Leu Ala Ile Asn Gly Gln
50 55 60
Ala Leu Asp Gln Thr Ile Thr His Gln Gln Ala Ile Ser Ile Leu Gln
65 70 75 80
Lys Ala Lys Asp Thr Val Gln Leu Val Ile Ala Arg Gly Ser Leu Pro
85 90 95
Gln Leu Val

<210> 232

<211> 97

<212> PRT

<213> Homo sapiens

<400> 232

Pro Val His Trp Gln His Met Glu Thr Ile Glu Leu Val Asn Asp Gly
1 5 10 15
Ser Gly Leu Gly Phe Gly Ile Ile Gly Gly Lys Ala Thr Gly Val Ile
20 25 30
Val Lys Thr Ile Leu Pro Gly Gly Val Ala Asp Gln His Gly Arg Leu
35 40 45
Cys Ser Gly Asp His Ile Leu Lys Ile Gly Asp Thr Asp Leu Ala Gly
50 55 60
Met Ser Ser Glu Gln Val Ala Gln Val Leu Arg Gln Cys Gly Asn Arg
65 70 75 80
Val Lys Leu Met Ile Ala Arg Gly Ala Ile Glu Glu Arg Thr Ala Pro
85 90 95
Thr

<210> 233

<211> 98

<212> PRT

<213> Homo sapiens

<400> 233

Gln Glu Ser Glu Thr Phe Asp Val Glu Leu Thr Lys Asn Val Gln Gly
1 5 10 15
Leu Gly Ile Thr Ile Ala Gly Tyr Ile Gly Asp Lys Lys Leu Glu Pro
20 25 30
Ser Gly Ile Phe Val Lys Ser Ile Thr Lys Ser Ser Ala Val Glu His
35 40 45
Asp Gly Arg Ile Gln Ile Gly Asp Gln Ile Ile Ala Val Asp Gly Thr
50 55 60
Asn Leu Gln Gly Phe Thr Asn Gln Gln Ala Val Glu Val Leu Arg His
65 70 75 80
Thr Gly Gln Thr Val Leu Leu Thr Leu Met Arg Arg Gly Met Lys Gln
85 90 95
Glu Ala

<210> 234
<211> 92
<212> PRT
<213> Homo sapiens

<400> 234
Leu Asn Tyr Glu Ile Val Val Ala His Val Ser Lys Phe Ser Glu Asn
1 5 10 15
Ser Gly Leu Gly Ile Ser Leu Glu Ala Thr Val Gly His His Phe Ile
20 25 30
Arg Ser Val Leu Pro Glu Gly Pro Val Gly His Ser Gly Lys Leu Phe
35 40 45
Ser Gly Asp Glu Leu Leu Glu Val Asn Gly Ile Thr Leu Leu Gly Glu
50 55 60
Asn His Gln Asp Val Val Asn Ile Leu Lys Glu Leu Pro Ile Glu Val
65 70 75 80
Thr Met Val Cys Cys Arg Arg Thr Val Pro Pro Thr
85 90

<210> 235
<211> 100
<212> PRT
<213> Homo sapiens

<400> 235
Trp Glu Ala Gly Ile Gln His Ile Glu Leu Glu Lys Gly Ser Lys Gly
1 5 10 15
Leu Gly Phe Ser Ile Leu Asp Tyr Gln Asp Pro Ile Asp Pro Ala Ser
20 25 30
Thr Val Ile Ile Ile Arg Ser Leu Val Pro Gly Gly Ile Ala Glu Lys
35 40 45
Asp Gly Arg Leu Leu Pro Gly Asp Arg Leu Met Phe Val Asn Asp Val
50 55 60
Asn Leu Glu Asn Ser Ser Leu Glu Glu Ala Val Glu Ala Leu Lys Gly
65 70 75 80
Ala Pro Ser Gly Thr Val Arg Ile Gly Val Ala Lys Pro Leu Pro Leu
85 90 95
Ser Pro Glu Glu
100

<210> 236
<211> 99
<212> PRT
<213> Homo sapiens

<400> 236
Arg Asn Val Ser Lys Glu Ser Phe Glu Arg Thr Ile Asn Ile Ala Lys
1 5 10 15
Gly Asn Ser Ser Leu Gly Met Thr Val Ser Ala Asn Lys Asp Gly Leu
20 25 30
Gly Met Ile Val Arg Ser Ile Ile His Gly Gly Ala Ile Ser Arg Asp
35 40 45
Gly Arg Ile Ala Ile Gly Asp Cys Ile Leu Ser Ile Asn Glu Glu Ser
50 55 60
Thr Ile Ser Val Thr Asn Ala Gln Ala Arg Ala Met Leu Arg Arg His
65 70 75 80
Ser Leu Ile Gly Pro Asp Ile Lys Ile Thr Tyr Val Pro Ala Glu His
85 90 95

Leu Glu Glu

<210> 237

<211> 112

<212> PRT

<213> Homo sapiens

<400> 237

Leu	Asn	Trp	Asn	Gln	Pro	Arg	Arg	Val	Glu	Leu	Trp	Arg	Glu	Pro	Ser
1				5				10				15			
Lys	Ser	Leu	Gly	Ile	Ser	Ile	Val	Gly	Gly	Arg	Gly	Met	Gly	Ser	Arg
				20				25				30			
Leu	Ser	Asn	Gly	Glu	Val	Met	Arg	Gly	Ile	Phe	Ile	Lys	His	Val	Leu
				35				40				45			
Glu	Asp	Ser	Pro	Ala	Gly	Lys	Asn	Gly	Thr	Leu	Lys	Pro	Gly	Asp	Arg
				50				55				60			
Ile	Val	Glu	Val	Asp	Gly	Met	Asp	Leu	Arg	Asp	Ala	Ser	His	Glu	Gln
				65				70				75			80
Ala	Val	Glu	Ala	Ile	Arg	Lys	Ala	Gly	Asn	Pro	Val	Val	Phe	Met	Val
					85				90				95		
Gln	Ser	Ile	Ile	Asn	Arg	Pro	Arg	Lys	Ser	Pro	Leu	Pro	Ser	Leu	Leu
				100				105					110		

<210> 238

<211> 95

<212> PRT

<213> Homo sapiens

<400> 238

Leu	Thr	Gly	Glu	Leu	His	Met	Ile	Glu	Leu	Glu	Lys	Gly	His	Ser	Gly
1					5			10			15				
Leu	Gly	Leu	Ser	Leu	Ala	Gly	Asn	Lys	Asp	Arg	Ser	Arg	Met	Ser	Val
					20			25				30			
Phe	Ile	Val	Gly	Ile	Asp	Pro	Asn	Gly	Ala	Ala	Gly	Lys	Asp	Gly	Arg
					35			40				45			
Leu	Gln	Ile	Ala	Asp	Glu	Leu	Glu	Ile	Asn	Gly	Gln	Ile	Leu	Tyr	
					50			55			60				
Gly	Arg	Ser	His	Gln	Asn	Ala	Ser	Ser	Ile	Ile	Lys	Cys	Ala	Pro	Ser
				65				70			75		80		
Lys	Val	Lys	Ile	Ile	Phe	Ile	Arg	Asn	Lys	Asp	Ala	Val	Asn	Gln	
					85				90			95			

<210> 239

<211> 94

<212> PRT

<213> Homo sapiens

<400> 239

Leu	Ser	Ser	Phe	Lys	Asn	Val	Gln	His	Leu	Glu	Leu	Pro	Lys	Asp	Gln
1					5				10			15			
Gly	Gly	Leu	Gly	Ile	Ala	Ile	Ser	Glu	Glu	Asp	Thr	Leu	Ser	Gly	Val
					20			25				30			
Ile	Ile	Lys	Ser	Leu	Thr	Glu	His	Gly	Val	Ala	Ala	Thr	Asp	Gly	Arg
					35			40				45			
Leu	Lys	Val	Gly	Asp	Gln	Ile	Leu	Ala	Val	Asp	Asp	Glu	Ile	Val	Val
					50			55				60			
Gly	Tyr	Pro	Ile	Glu	Lys	Phe	Ile	Ser	Leu	Leu	Lys	Thr	Ala	Lys	Met
					65			70				75		80	

Thr Val Lys Leu Thr Ile His Ala Glu Asn Pro Asp Ser Gln
85 90

<210> 240
<211> 95
<212> PRT
<213> Homo sapiens

<400> 240
Leu Pro Gly Cys Glu Thr Thr Ile Glu Ile Ser Lys Gly Arg Thr Gly
1 5 10 15
Leu Gly Leu Ser Ile Val Gly Gly Ser Asp Thr Leu Leu Gly Ala Ile
20 25 30
Ile Ile His Glu Val Tyr Glu Glu Gly Ala Ala Cys Lys Asp Gly Arg
35 40 45
Leu Trp Ala Gly Asp Gln Ile Leu Glu Val Asn Gly Ile Asp Leu Arg
50 55 60
Lys Ala Thr His Asp Glu Ala Ile Asn Val Leu Arg Gln Thr Pro Gln
65 70 75 80
Arg Val Arg Leu Thr Leu Tyr Arg Asp Glu Ala Pro Tyr Lys Glu
85 90 95

<210> 241
<211> 98
<212> PRT
<213> Homo sapiens

<400> 241
Lys Glu Glu Glu Val Cys Asp Thr Leu Thr Ile Glu Leu Gln Lys Lys
1 5 10 15
Pro Gly Lys Gly Leu Gly Leu Ser Ile Val Gly Lys Arg Asn Asp Thr
20 25 30
Gly Val Phe Val Ser Asp Ile Val Lys Gly Gly Ile Ala Asp Ala Asp
35 40 45
Gly Arg Leu Met Gln Gly Asp Gln Ile Leu Met Val Asn Gly Glu Asp
50 55 60
Val Arg Asn Ala Thr Gln Glu Ala Val Ala Ala Leu Leu Lys Cys Ser
65 70 75 80
Leu Gly Thr Val Thr Leu Glu Val Gly Arg Ile Lys Ala Gly Pro Phe
85 90 95
His Ser

<210> 242
<211> 96
<212> PRT
<213> Homo sapiens

<400> 242
Leu Gln Gly Leu Arg Thr Val Glu Met Lys Lys Gly Pro Thr Asp Ser
1 5 10 15
Leu Gly Ile Ser Ile Ala Gly Gly Val Gly Ser Pro Leu Gly Asp Val
20 25 30
Pro Ile Phe Ile Ala Met Met His Pro Thr Gly Val Ala Ala Gln Thr
35 40 45
Gln Lys Leu Arg Val Gly Asp Arg Ile Val Thr Ile Cys Gly Thr Ser
50 55 60
Thr Glu Gly Met Thr His Thr Gln Ala Val Asn Leu Leu Lys Asn Ala
65 70 75 80

Ser Gly Ser Ile Glu Met Gln Val Val Ala Gly Gly Asp Val Ser Val
85 90 95

<210> 243

<211> 91

<212> PRT

<213> Homo sapiens

<400> 243

Leu Gly Pro Pro Gln Cys Lys Ser Ile Thr Leu Glu Arg Gly Pro Asp
1 5 10 15
Gly Leu Gly Phe Ser Ile Val Gly Gly Tyr Gly Ser Pro His Gly Asp
20 25 30
Leu Pro Ile Tyr Val Lys Thr Val Phe Ala Lys Gly Ala Ala Ser Glu
35 40 45
Asp Gly Arg Leu Lys Arg Gly Asp Gln Ile Ile Ala Val Asn Gly Gln
50 55 60
Ser Leu Glu Gly Val Thr His Glu Glu Ala Val Ala Ile Leu Lys Arg
65 70 75 80
Thr Lys Gly Thr Val Thr Leu Met Val Leu Ser
85 90

<210> 244

<211> 93

<212> PRT

<213> Homo sapiens

<400> 244

Ile Gln Tyr Glu Glu Ile Val Leu Glu Arg Gly Asn Ser Gly Leu Gly
1 5 10 15
Phe Ser Ile Ala Gly Gly Ile Asp Asn Pro His Val Pro Asp Asp Pro
20 25 30
Gly Ile Phe Ile Thr Lys Ile Ile Pro Gly Gly Ala Ala Ala Met Asp
35 40 45
Gly Arg Leu Gly Val Asn Asp Cys Val Leu Arg Val Asn Glu Val Glu
50 55 60
Val Ser Glu Val Val His Ser Arg Ala Val Glu Ala Leu Lys Glu Ala
65 70 75 80
Gly Pro Val Val Arg Leu Val Val Arg Arg Arg Gln Asn
85 90

<210> 245

<211> 90

<212> PRT

<213> Homo sapiens

<400> 245

Ile Thr Leu Leu Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly
1 5 10 15
Gly Ile Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Ile Thr
20 25 30
Lys Ile Ile Glu Gly Gly Ala Ala Gln Lys Asp Gly Arg Leu Gln Ile
35 40 45
Gly Asp Arg Leu Leu Ala Val Asn Asn Thr Asn Leu Gln Asp Val Arg
50 55 60
His Glu Glu Ala Val Ala Ser Leu Lys Asn Thr Ser Asp Met Val Tyr
65 70 75 80
Leu Lys Val Ala Lys Pro Gly Ser Leu Glu
85 90

<210> 246
<211> 119
<212> PRT
<213> Homo sapiens

<400> 246

Ile	Leu	Leu	His	Lys	Gly	Ser	Thr	Gly	Leu	Gly	Phe	Asn	Ile	Val	Gly
1									10						15
Gly	Glu	Asp	Gly	Glu	Gly	Ile	Phe	Val	Ser	Phe	Ile	Leu	Ala	Gly	Gly
						20			25						30
Pro	Ala	Asp	Leu	Ser	Gly	Glu	Leu	Arg	Arg	Gly	Asp	Arg	Ile	Leu	Ser
							35		40					45	
Val	Asn	Gly	Val	Asn	Leu	Arg	Asn	Ala	Thr	His	Glu	Gln	Ala	Ala	Ala
						50			55				60		
Ala	Leu	Lys	Arg	Ala	Gly	Gln	Ser	Val	Thr	Ile	Val	Ala	Gln	Tyr	Arg
						65			70			75			80
Pro	Glu	Glu	Tyr	Ser	Arg	Phe	Glu	Ser	Lys	Ile	His	Asp	Leu	Arg	Glu
						85			90				95		
Gln	Met	Met	Asn	Ser	Ser	Met	Ser	Ser	Gly	Ser	Gly	Ser	Leu	Arg	Thr
						100			105					110	
Ser	Glu	Lys	Arg	Ser	Leu	Glu									
						115									

<210> 247
<211> 111
<212> PRT
<213> Homo sapiens

<400> 247

Cys	Val	Glu	Arg	Leu	Glu	Leu	Phe	Pro	Val	Glu	Leu	Glu	Asp	Ser	
1									10					15	
Glu	Gly	Leu	Gly	Ile	Ser	Ile	Ile	Gly	Met	Gly	Ala	Gly	Ala	Asp	Met
									20			25			30
Gly	Leu	Glu	Lys	Leu	Gly	Ile	Phe	Val	Lys	Thr	Val	Thr	Glu	Gly	Gly
							35			40			45		
Ala	Ala	His	Arg	Asp	Gly	Arg	Ile	Gln	Val	Asn	Asp	Leu	Leu	Val	Glu
							50			55			60		
Val	Asp	Gly	Thr	Ser	Leu	Val	Gly	Val	Thr	Gln	Ser	Phe	Ala	Ala	Ser
							65			70			75		80
Val	Leu	Arg	Asn	Thr	Lys	Gly	Arg	Val	Arg	Phe	Met	Ile	Gly	Arg	Glu
							85			90			95		
Arg	Pro	Gly	Glu	Gln	Ser	Glu	Val	Ala	Gln	Arg	Ile	His	Arg	Asp	
							100			105			110		

<210> 248
<211> 90
<212> PRT
<213> Homo sapiens

<400> 248

Ile	Gln	Pro	Asn	Val	Ile	Ser	Val	Arg	Leu	Phe	Lys	Arg	Lys	Val	Gly
1									10						15
Gly	Leu	Gly	Phe	Leu	Val	Lys	Glu	Arg	Val	Ser	Lys	Pro	Pro	Val	Ile
									20			25			30
Ile	Ser	Asp	Leu	Ile	Arg	Gly	Gly	Ala	Ala	Glu	Gln	Ser	Gly	Leu	Ile
								35			40			45	
Gln	Ala	Gly	Asp	Ile	Ile	Leu	Ala	Val	Asn	Gly	Arg	Pro	Leu	Val	Asp
								50			55			60	

Leu Ser Tyr Asp Ser Ala Leu Glu Val Leu Arg Gly Ile Ala Ser Glu
65 70 75 80
Thr His Val Val Leu Ile Leu Arg Gly Pro
85 90

<210> 249
<211> 107
<212> PRT
<213> Homo sapiens

<400> 249
Gln Ala Asn Ser Asp Glu Ser Asp Ile Ile His Ser Val Arg Val Glu
1 5 10 15
Lys Ser Pro Ala Gly Arg Leu Gly Phe Ser Val Arg Gly Ser Glu
20 25 30
His Gly Leu Gly Ile Phe Val Ser Lys Val Glu Glu Gly Ser Ser Ala
35 40 45
Glu Arg Ala Gly Leu Cys Val Gly Asp Lys Ile Thr Glu Val Asn Gly
50 55 60
Leu Ser Leu Glu Ser Thr Thr Met Gly Ser Ala Val Lys Val Leu Thr
65 70 75 80
Ser Ser Ser Arg Leu His Met Met Val Arg Arg Met Gly Arg Val Pro
85 90 95
Gly Ile Lys Phe Ser Lys Glu Lys Asn Ser Ser
100 105

<210> 250
<211> 106
<212> PRT
<213> Homo sapiens

<400> 250
Pro Ser Asp Thr Ser Ser Glu Asp Gly Val Arg Arg Ile Val His Leu
1 5 10 15
Tyr Thr Thr Ser Asp Asp Phe Cys Leu Gly Phe Asn Ile Arg Gly Gly
20 25 30
Lys Glu Phe Gly Leu Gly Ile Tyr Val Ser Lys Val Asp His Gly Gly
35 40 45
Leu Ala Glu Glu Asn Gly Ile Lys Val Gly Asp Gln Val Leu Ala Ala
50 55 60
Asn Gly Val Arg Phe Asp Asp Ile Ser His Ser Gln Ala Val Glu Val
65 70 75 80
Leu Lys Gly Gln Thr His Ile Met Leu Thr Ile Lys Glu Thr Gly Arg
85 90 95
Tyr Pro Ala Tyr Lys Glu Met Asn Ser Ser
100 105

<210> 251
<211> 115
<212> PRT
<213> Homo sapiens

<400> 251
Lys Ile Lys Lys Phe Leu Thr Glu Ser His Asp Arg Gln Ala Lys Gly
1 5 10 15
Lys Ala Ile Thr Lys Lys Lys Tyr Ile Gly Ile Arg Met Met Ser Leu
20 25 30
Thr Ser Ser Lys Ala Lys Glu Leu Lys Asp Arg His Arg Asp Phe Pro
35 40 45

Asp Val Ile Ser Gly Ala Tyr Ile Ile Glu Val Ile Pro Asp Thr Pro
50 55 60
Ala Glu Ala Gly Gly Leu Lys Glu Asn Asp Val Ile Ile Ser Ile Asn
65 70 75 80
Gly Gln Ser Val Val Ser Ala Asn Asp Val Ser Asp Val Ile Lys Arg
85 90 95
Glu Ser Thr Leu Asn Met Val Val Arg Arg Gly Asn Glu Asp Ile Met
100 105 110
Ile Thr Val
115

<210> 252
<211> 100
<212> PRT
<213> Homo sapiens

<400> 252
Pro Asp Gly Glu Ile Thr Ser Ile Lys Ile Asn Arg Val Asp Pro Ser
1 5 10 15
Glu Ser Leu Ser Ile Arg Leu Val Gly Gly Ser Glu Thr Pro Leu Val
20 25 30
His Ile Ile Ile Gln His Ile Tyr Arg Asp Gly Val Ile Ala Arg Asp
35 40 45
Gly Arg Leu Leu Pro Gly Asp Ile Ile Leu Lys Val Asn Gly Met Asp
50 55 60
Ile Ser Asn Val Pro His Asn Tyr Ala Val Arg Leu Leu Arg Gln Pro
65 70 75 80
Cys Gln Val Leu Trp Leu Thr Val Met Arg Glu Gln Lys Phe Arg Ser
85 90 95
Arg Asn Ser Ser
100

<210> 253
<211> 101
<212> PRT
<213> Homo sapiens

<400> 253
His Arg Pro Arg Asp Asp Ser Phe His Val Ile Leu Asn Lys Ser Ser
1 5 10 15
Pro Glu Glu Gln Leu Gly Ile Lys Leu Val Arg Lys Val Asp Glu Pro
20 25 30
Gly Val Phe Ile Phe Asn Val Leu Asp Gly Gly Val Ala Tyr Arg His
35 40 45
Gly Gln Leu Glu Glu Asn Asp Arg Val Leu Ala Ile Asn Gly His Asp
50 55 60
Leu Arg Tyr Gly Ser Pro Glu Ser Ala Ala His Leu Ile Gln Ala Ser
65 70 75 80
Glu Arg Arg Val His Leu Val Val Ser Arg Gln Val Arg Gln Arg Ser
85 90 95
Pro Glu Asn Ser Ser
100

<210> 254
<211> 104
<212> PRT
<213> Homo sapiens

<400> 254

Pro Thr Ile Thr Cys His Glu Lys Val Val Asn Ile Gln Lys Asp Pro
 1 5 10 15
 Gly Glu Ser Leu Gly Met Thr Val Ala Gly Gly Ala Ser His Arg Glu
 20 25 30
 Trp Asp Leu Pro Ile Tyr Val Ile Ser Val Glu Pro Gly Gly Val Ile
 35 40 45
 Ser Arg Asp Gly Arg Ile Lys Thr Gly Asp Ile Leu Leu Asn Val Asp
 50 55 60
 Gly Val Glu Leu Thr Glu Val Ser Arg Ser Glu Ala Val Ala Leu Leu
 65 70 75 80
 Lys Arg Thr Ser Ser Ser Ile Val Leu Lys Ala Leu Glu Val Lys Glu
 85 90 95
 Tyr Glu Pro Gln Glu Phe Ile Val
 100

<210> 255
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 255
 Pro Arg Cys Leu Tyr Asn Cys Lys Asp Ile Val Leu Arg Arg Asn Thr
 1 5 10 15
 Ala Gly Ser Leu Gly Phe Cys Ile Val Gly Gly Tyr Glu Glu Tyr Asn
 20 25 30
 Gly Asn Lys Pro Phe Phe Ile Lys Ser Ile Val Glu Gly Thr Pro Ala
 35 40 45
 Tyr Asn Asp Gly Arg Ile Arg Cys Gly Asp Ile Leu Leu Ala Val Asn
 50 55 60
 Gly Arg Ser Thr Ser Gly Met Ile His Ala Cys Leu Ala Arg Leu Leu
 65 70 75 80
 Lys Glu Leu Lys Gly Arg Ile Thr Leu Thr Ile Val Ser Trp Pro Gly
 85 90 95
 Thr Phe Leu

<210> 256
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 256
 Leu Leu Thr Glu Glu Glu Ile Asn Leu Thr Arg Gly Pro Ser Gly Leu
 1 5 10 15
 Gly Phe Asn Ile Val Gly Gly Thr Asp Gln Gln Tyr Val Ser Asn Asp
 20 25 30
 Ser Gly Ile Tyr Val Ser Arg Ile Lys Glu Asn Gly Ala Ala Ala Leu
 35 40 45
 Asp Gly Arg Leu Gln Glu Gly Asp Lys Ile Leu Ser Val Asn Gly Gln
 50 55 60
 Asp Leu Lys Asn Leu Leu His Gln Asp Ala Val Asp Leu Phe Arg Asn
 65 70 75 80
 Ala Gly Tyr Ala Val Ser Leu Arg Val Gln His Arg Leu Gln Val Gln
 85 90 95
 Asn Gly Ile His Ser
 100

<210> 257
 <211> 94

<212> PRT

<213> Homo sapiens

<400> 257

Pro Val Asp Ala Ile Arg Ile Leu Gly Ile His Lys Arg Ala Gly Glu
1 5 10 15
Pro Leu Gly Val Thr Phe Arg Val Glu Asn Asn Asp Leu Val Ile Ala
20 25 30
Arg Ile Leu His Gly Gly Met Ile Asp Arg Gln Gly Leu Leu His Val
35 40 45
Gly Asp Ile Ile Lys Glu Val Asn Gly His Glu Val Gly Asn Asn Pro
50 55 60
Lys Glu Leu Gln Glu Leu Leu Lys Asn Ile Ser Gly Ser Val Thr Leu
65 70 75 80
Lys Ile Leu Pro Ser Tyr Arg Asp Thr Ile Thr Pro Gln Gln
85 90

<210> 258

<211> 93

<212> PRT

<213> Homo sapiens

<400> 258

Asp Asp Met Val Lys Leu Val Glu Val Pro Asn Asp Gly Gly Pro Leu
1 5 10 15
Gly Ile His Val Val Pro Phe Ser Ala Arg Gly Gly Arg Thr Leu Gly
20 25 30
Leu Leu Val Lys Arg Leu Glu Lys Gly Gly Lys Ala Glu His Glu Asn
35 40 45
Leu Phe Arg Glu Asn Asp Cys Ile Val Arg Ile Asn Asp Gly Asp Leu
50 55 60
Arg Asn Arg Arg Phe Glu Gln Ala Gln His Met Phe Arg Gln Ala Met
65 70 75 80
Arg Thr Pro Ile Ile Trp Phe His Val Val Pro Ala Ala
85 90

<210> 259

<211> 94

<212> PRT

<213> Homo sapiens

<400> 259

Gly Lys Arg Leu Asn Ile Gln Leu Lys Lys Gly Thr Glu Gly Leu Gly
1 5 10 15
Phe Ser Ile Thr Ser Arg Asp Val Thr Ile Gly Gly Ser Ala Pro Ile
20 25 30
Tyr Val Lys Asn Ile Leu Pro Arg Gly Ala Ala Ile Gln Asp Gly Arg
35 40 45
Leu Lys Ala Gly Asp Arg Leu Ile Glu Val Asn Gly Val Asp Leu Val
50 55 60
Gly Lys Ser Gln Glu Glu Val Val Ser Leu Leu Arg Ser Thr Lys Met
65 70 75 80
Glu Gly Thr Val Ser Leu Leu Val Phe Arg Gln Glu Asp Ala
85 90

<210> 260

<211> 103

<212> PRT

<213> Homo sapiens

<400> 260
Thr Pro Asp Gly Thr Arg Glu Phe Leu Thr Phe Glu Val Pro Leu Asn
1 5 10 15
Asp Ser Gly Ser Ala Gly Leu Gly Val Ser Val Lys Gly Asn Arg Ser
20 25 30
Lys Glu Asn His Ala Asp Leu Gly Ile Phe Val Lys Ser Ile Ile Asn
35 40 45
Gly Gly Ala Ala Ser Lys Asp Gly Arg Leu Arg Val Asn Asp Gln Leu
50 55 60
Ile Ala Val Asn Gly Glu Ser Leu Leu Gly Lys Thr Asn Gln Asp Ala
65 70 75 80
Met Glu Thr Leu Arg Arg Ser Met Ser Thr Glu Gly Asn Lys Arg Gly
85 90 95
Met Ile Gln Leu Ile Val Ala
100

<210> 261
<211> 102
<212> PRT
<213> Homo sapiens

<400> 261
Leu Pro Glu Thr His Arg Arg Val Arg Leu His Lys His Gly Ser Asp
1 5 10 15
Arg Pro Leu Gly Phe Tyr Ile Arg Asp Gly Met Ser Val Arg Val Ala
20 25 30
Pro Gln Gly Leu Glu Arg Val Pro Gly Ile Phe Ile Ser Arg Leu Val
35 40 45
Arg Gly Gly Leu Ala Glu Ser Thr Gly Leu Leu Ala Val Ser Asp Glu
50 55 60
Ile Leu Glu Val Asn Gly Ile Glu Val Ala Gly Lys Thr Leu Asp Gln
65 70 75 80
Val Thr Asp Met Met Val Ala Asn Ser His Asn Leu Ile Val Thr Val
85 90 95
Lys Pro Ala Asn Gln Arg
100

<210> 262
<211> 111
<212> PRT
<213> Homo sapiens

<400> 262
Ile Asp Val Asp Leu Val Pro Glu Thr His Arg Arg Val Arg Leu His
1 5 10 15
Arg His Gly Cys Glu Lys Pro Leu Gly Phe Tyr Ile Arg Asp Gly Ala
20 25 30
Ser Val Arg Val Thr Pro His Gly Leu Glu Lys Val Pro Gly Ile Phe
35 40 45
Ile Ser Arg Met Val Pro Gly Gly Leu Ala Glu Ser Thr Gly Leu Leu
50 55 60
Ala Val Asn Asp Glu Val Leu Glu Val Asn Gly Ile Glu Val Ala Gly
65 70 75 80
Lys Thr Leu Asp Gln Val Thr Asp Met Met Ile Ala Asn Ser His Asn
85 90 95
Leu Ile Val Thr Val Lys Pro Ala Asn Gln Arg Asn Asn Val Val
100 105 110

<210> 263
<211> 100
<212> PRT
<213> Homo sapiens

<400> 263
Arg Ser Arg Lys Leu Lys Glu Val Arg Leu Asp Arg Leu His Pro Glu
1 5 10 15
Gly Leu Gly Leu Ser Val Arg Gly Gly Leu Glu Phe Gly Cys Gly Leu
20 25 30
Phe Ile Ser His Leu Ile Lys Gly Gly Gln Ala Asp Ser Val Gly Leu
35 40 45
Gln Val Gly Asp Glu Ile Val Arg Ile Asn Gly Tyr Ser Ile Ser Ser
50 55 60
Cys Thr His Glu Glu Val Ile Asn Leu Ile Arg Thr Lys Lys Thr Val
65 70 75 80
Ser Ile Lys Val Arg His Ile Gly Leu Ile Pro Val Lys Ser Ser Pro
85 90 95
Asp Glu Phe His
100

<210> 264
<211> 102
<212> PRT
<213> Homo sapiens

<400> 264
Ile Pro Gly Asn Arg Glu Asn Lys Glu Lys Lys Val Phe Ile Ser Leu
1 5 10 15
Val Gly Ser Arg Gly Leu Gly Cys Ser Ile Ser Ser Gly Pro Ile Gln
20 25 30
Lys Pro Gly Ile Phe Ile Ser His Val Lys Pro Gly Ser Leu Ser Ala
35 40 45
Glu Val Gly Leu Glu Ile Gly Asp Gln Ile Val Glu Val Asn Gly Val
50 55 60
Asp Phe Ser Asn Leu Asp His Lys Glu Ala Val Asn Val Leu Lys Ser
65 70 75 80
Ser Arg Ser Leu Thr Ile Ser Ile Val Ala Ala Ala Gly Arg Glu Leu
85 90 95
Phe Met Thr Asp Glu Phe
100

<210> 265
<211> 103
<212> PRT
<213> Homo sapiens

<400> 265
Pro Glu Gln Ile Met Gly Lys Asp Val Arg Leu Leu Arg Ile Lys Lys
1 5 10 15
Glu Gly Ser Leu Asp Leu Ala Leu Glu Gly Gly Val Asp Ser Pro Ile
20 25 30
Gly Lys Val Val Val Ser Ala Val Tyr Glu Arg Gly Ala Ala Glu Arg
35 40 45
His Gly Gly Ile Val Lys Gly Asp Glu Ile Met Ala Ile Asn Gly Lys
50 55 60
Ile Val Thr Asp Tyr Thr Leu Ala Glu Ala Asp Ala Ala Leu Gln Lys
65 70 75 80
Ala Trp Asn Gln Gly Gly Asp Trp Ile Asp Leu Val Val Ala Val Cys
85 90 95

Pro Pro Lys Glu Tyr Asp Asp
100

<210> 266
<211> 103
<212> PRT
<213> Homo sapiens

<400> 266
Leu Thr Ser Thr Phe Asn Pro Arg Glu Cys Lys Leu Ser Lys Gln Glu
1 5 10 15
Gly Gln Asn Tyr Gly Phe Phe Leu Arg Ile Glu Lys Asp Thr Glu Gly
20 25 30
His Leu Val Arg Val Val Glu Lys Cys Ser Pro Ala Glu Lys Ala Gly
35 40 45
Leu Gln Asp Gly Asp Arg Val Leu Arg Ile Asn Gly Val Phe Val Asp
50 55 60
Lys Glu Glu His Met Gln Val Val Asp Leu Val Arg Lys Ser Gly Asn
65 70 75 80
Ser Val Thr Leu Leu Val Leu Asp Gly Asp Ser Tyr Glu Lys Ala Gly
85 90 95
Ser Pro Gly Ile His Arg Asp
100

<210> 267
<211> 92
<212> PRT
<213> Homo sapiens

<400> 267
Arg Leu Cys Tyr Leu Val Lys Glu Gly Gly Ser Tyr Gly Phe Ser Leu
1 5 10 15
Lys Thr Val Gln Gly Lys Lys Gly Val Tyr Met Thr Asp Ile Thr Pro
20 25 30
Gln Gly Val Ala Met Arg Ala Gly Val Leu Ala Asp Asp His Leu Ile
35 40 45
Glu Val Asn Gly Glu Asn Val Glu Asp Ala Ser His Glu Glu Val Val
50 55 60
Glu Lys Val Lys Lys Ser Gly Ser Arg Val Met Phe Leu Leu Val Asp
65 70 75 80
Lys Glu Thr Asp Lys Arg Glu Phe Ile Val Thr Asp
85 90

<210> 268
<211> 112
<212> PRT
<213> Homo sapiens

<400> 268
Gln Phe Lys Arg Glu Thr Ala Ser Leu Lys Leu Leu Pro His Gln Pro
1 5 10 15
Arg Ile Val Glu Met Lys Lys Gly Ser Asn Gly Tyr Gly Phe Tyr Leu
20 25 30
Arg Ala Gly Ser Glu Gln Lys Gly Gln Ile Ile Lys Asp Ile Asp Ser
35 40 45
Gly Ser Pro Ala Glu Glu Ala Gly Leu Lys Asn Asn Asp Leu Val Val
50 55 60
Ala Val Asn Gly Glu Ser Val Glu Thr Leu Asp His Asp Ser Val Val
65 70 75 80

Glu Met Ile Arg Lys Gly Gly Asp Gln Thr Ser Leu Leu Val Val Asp
85 90 95
Lys Glu Thr Asp Asn Met Tyr Arg Leu Ala Glu Phe Ile Val Thr Asp
100 105 110

<210> 269
<211> 95
<212> PRT
<213> Homo sapiens

<400> 269
Pro Asp Thr Thr Glu Glu Val Asp His Lys Pro Lys Leu Cys Arg Leu
1 5 10 15
Ala Lys Gly Glu Asn Gly Tyr Gly Phe His Leu Asn Ala Ile Arg Gly
20 25 30
Leu Pro Gly Ser Phe Ile Lys Glu Val Gln Lys Gly Gly Pro Ala Asp
35 40 45
Leu Ala Gly Leu Glu Asp Glu Asp Val Ile Ile Glu Val Asn Gly Val
50 55 60
Asn Val Leu Asp Glu Pro Tyr Glu Lys Val Val Asp Arg Ile Gln Ser
65 70 75 80
Ser Gly Lys Asn Val Thr Leu Leu Val Glx Gly Lys Asn Ser Ser
85 90 95

<210> 270
<211> 89
<212> PRT
<213> Homo sapiens

<400> 270
Pro Thr Val Pro Gly Lys Val Thr Leu Gln Lys Asp Ala Gln Asn Leu
1 5 10 15
Ile Gly Ile Ser Ile Gly Gly Ala Gln Tyr Cys Pro Cys Leu Tyr
20 25 30
Ile Val Gln Val Phe Asp Asn Thr Pro Ala Ala Leu Asp Gly Thr Val
35 40 45
Ala Ala Gly Asp Glu Ile Thr Gly Val Asn Gly Arg Ser Ile Lys Gly
50 55 60
Lys Thr Lys Val Glu Val Ala Lys Met Ile Gln Glu Val Lys Gly Glu
65 70 75 80
Val Thr Ile His Tyr Asn Lys Leu Gln
85

<210> 271
<211> 98
<212> PRT
<213> Homo sapiens

<400> 271
Ser Gln Gly Val Gly Pro Ile Arg Lys Val Leu Leu Lys Glu Asp
1 5 10 15
His Glu Gly Leu Gly Ile Ser Ile Thr Gly Gly Lys Glu His Gly Val
20 25 30
Pro Ile Leu Ile Ser Glu Ile His Pro Gly Gln Pro Ala Asp Arg Cys
35 40 45
Gly Gly Leu His Val Gly Asp Ala Ile Leu Ala Val Asn Gly Val Asn
50 55 60
Leu Arg Asp Thr Lys His Lys Glu Ala Val Thr Ile Leu Ser Gln Gln
65 70 75 80

Arg Gly Glu Ile Glu Phe Glu Val Val Tyr Val Ala Pro Glu Val Asp
85 90 95
Ser Asp

<210> 272
<211> 97
<212> PRT
<213> Homo sapiens

<400> 272
Ile His Val Thr Ile Leu His Lys Glu Glu Gly Ala Gly Leu Gly Phe
1 5 10 15
Ser Leu Ala Gly Gly Ala Asp Leu Glu Asn Lys Val Ile Thr Val His
20 25 30
Arg Val Phe Pro Asn Gly Leu Ala Ser Gln Glu Gly Thr Ile Gln Lys
35 40 45
Gly Asn Glu Val Leu Ser Ile Asn Gly Lys Ser Leu Lys Gly Thr Thr
50 55 60
His His Asp Ala Leu Ala Ile Leu Arg Gln Ala Arg Glu Pro Arg Gln
65 70 75 80
Ala Val Ile Val Thr Arg Lys Leu Thr Pro Glu Glu Phe Ile Val Thr
85 90 95
Asp

<210> 273
<211> 98
<212> PRT
<213> Homo sapiens

<400> 273
Thr Ala Glu Ala Thr Val Cys Thr Val Thr Leu Glu Lys Met Ser Ala
1 5 10 15
Gly Leu Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu His Gly Asp
20 25 30
Lys Pro Leu Thr Ile Asn Arg Ile Phe Lys Gly Ala Ala Ser Glu Gln
35 40 45
Ser Glu Thr Val Gln Pro Gly Asp Glu Ile Leu Gln Leu Gly Gly Thr
50 55 60
Ala Met Gln Gly Leu Thr Arg Phe Glu Ala Trp Asn Ile Ile Lys Ala
65 70 75 80
Leu Pro Asp Gly Pro Val Thr Ile Val Ile Arg Arg Lys Ser Leu Gln
85 90 95
Ser Lys

<210> 274
<211> 98
<212> PRT
<213> Homo sapiens

<400> 274
Leu Glu Tyr Glu Ile Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe
1 5 10 15
Ser Ile Ala Gly Gly Thr Asp Asn Pro His Ile Gly Asp Asp Pro Ser
20 25 30
Ile Phe Ile Thr Lys Ile Ile Pro Gly Gly Ala Ala Ala Gln Asp Gly
35 40 45

Arg Leu Arg Val Asn Asp Ser Ile Leu Phe Val Asn Glu Val Asp Val
50 55 60
Arg Glu Val Thr His Ser Ala Ala Val Glu Ala Leu Lys Glu Ala Gly
65 70 75 80
Ser Ile Val Arg Leu Tyr Val Met Arg Arg Lys Pro Pro Ala Glu Asn
85 90 95
Ser Ser

<210> 275
<211> 105
<212> PRT
<213> Homo sapiens

<400> 275
His Val Met Arg Arg Lys Pro Pro Ala Glu Lys Val Met Glu Ile Lys
1 5 10 15
Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly Val
20 25 30
Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys Ile
35 40 45
Ile Glu Gly Gly Ala Ala His Lys Asp Gly Arg Leu Gln Ile Gly Asp
50 55 60
Lys Ile Leu Ala Val Asn Ser Val Gly Leu Glu Asp Val Met His Glu
65 70 75 80
Asp Ala Val Ala Ala Leu Lys Asn Thr Tyr Asp Val Val Tyr Leu Lys
85 90 95
Val Ala Lys Pro Ser Asn Ala Tyr Leu
100 105

<210> 276
<211> 97
<212> PRT
<213> Homo sapiens

<400> 276
Arg Glu Asp Ile Pro Arg Glu Pro Arg Arg Ile Val Ile His Arg Gly
1 5 10 15
Ser Thr Gly Leu Gly Phe Asn Ile Val Gly Gly Glu Asp Gly Glu Gly
20 25 30
Ile Phe Ile Ser Phe Ile Leu Ala Gly Gly Pro Ala Asp Leu Ser Gly
35 40 45
Glu Leu Arg Lys Gly Asp Gln Ile Leu Ser Val Asn Gly Val Asp Leu
50 55 60
Arg Asn Ala Ser His Glu Gln Ala Ala Ile Ala Leu Lys Asn Ala Gly
65 70 75 80
Gln Thr Val Thr Ile Ile Ala Gln Tyr Lys Pro Glu Phe Ile Val Thr
85 90 95
Asp

<210> 277
<211> 88
<212> PRT
<213> Homo sapiens

<400> 277
Leu Ile Arg Ile Thr Pro Asp Glu Asp Gly Lys Phe Gly Phe Asn Leu
1 5 10 15

Lys Gly Gly Val Asp Gln Lys Met Pro Leu Val Val Ser Arg Ile Asn
20 25 30
Pro Glu Ser Pro Ala Asp Thr Cys Ile Pro Lys Leu Asn Glu Gly Asp
35 40 45
Gln Ile Val Leu Ile Asn Gly Arg Asp Ile Ser Glu His Thr His Asp
50 55 60
Gln Val Val Met Phe Ile Lys Ala Ser Arg Glu Ser His Ser Arg Glu
65 70 75 80
Leu Ala Leu Val Ile Arg Arg Arg
85

<210> 278

<211> 88

<212> PRT

<213> Homo sapiens

<400> 278

Ile Arg Met Lys Pro Asp Glu Asn Gly Arg Phe Gly Phe Asn Val Lys
1 5 10 15
Gly Gly Tyr Asp Gln Lys Met Pro Val Ile Val Ser Arg Val Ala Pro
20 25 30
Gly Thr Pro Ala Asp Leu Cys Val Pro Arg Leu Asn Glu Gly Asp Gln
35 40 45
Val Val Leu Ile Asn Gly Arg Asp Ile Ala Glu His Thr His Asp Gln
50 55 60
Val Val Leu Phe Ile Lys Ala Ser Cys Glu Arg His Ser Gly Glu Leu
65 70 75 80
Met Leu Leu Val Arg Pro Asn Ala
85

<210> 279

<211> 106

<212> PRT

<213> Homo sapiens

<400> 279

Pro Glu Arg Glu Ile Thr Leu Val Asn Leu Lys Lys Asp Ala Lys Tyr
1 5 10 15
Gly Leu Gly Phe Gln Ile Ile Gly Gly Glu Lys Met Gly Arg Leu Asp
20 25 30
Leu Gly Ile Phe Ile Ser Ser Val Ala Pro Gly Gly Pro Ala Asp Phe
35 40 45
His Gly Cys Leu Lys Pro Gly Asp Arg Leu Ile Ser Val Asn Ser Val
50 55 60
Ser Leu Glu Gly Val Ser His His Ala Ala Ile Glu Ile Leu Gln Asn
65 70 75 80
Ala Pro Glu Asp Val Thr Leu Val Ile Ser Gln Pro Lys Glu Lys Ile
85 90 95
Ser Lys Val Pro Ser Thr Pro Val His Leu
100 105

<210> 280

<211> 95

<212> PRT

<213> Homo sapiens

<400> 280

Gly Asp Ile Phe Glu Val Glu Leu Ala Lys Asn Asp Asn Ser Leu Gly
1 5 10 15

Ile Ser Val Thr Gly Gly Val Asn Thr Ser Val Arg His Gly Gly Ile
20 25 30
Tyr Val Lys Ala Val Ile Pro Gln Gly Ala Ala Glu Ser Asp Gly Arg
35 40 45
Ile His Lys Gly Asp Arg Val Leu Ala Val Asn Gly Val Ser Leu Glu
50 55 60
Gly Ala Thr His Lys Gln Ala Val Glu Thr Leu Arg Asn Thr Gly Gln
65 70 75 80
Val Val His Leu Leu Glu Lys Gly Gln Ser Pro Thr Ser Lys
85 90 95

<210> 281
<211> 104
<212> PRT
<213> Homo sapiens

<400> 281
Thr Glu Glu Asn Thr Phe Glu Val Lys Leu Phe Lys Asn Ser Ser Gly
1 5 10 15
Leu Gly Phe Ser Phe Ser Arg Glu Asp Asn Leu Ile Pro Glu Gln Ile
20 25 30
Asn Ala Ser Ile Val Arg Val Lys Lys Leu Phe Ala Gly Gln Pro Ala
35 40 45
Ala Glu Ser Gly Lys Ile Asp Val Gly Asp Val Ile Leu Lys Val Asn
50 55 60
Gly Ala Ser Leu Lys Gly Leu Ser Gln Gln Glu Val Ile Ser Ala Leu
65 70 75 80
Arg Gly Thr Ala Pro Glu Val Phe Leu Leu Leu Cys Arg Pro Pro Pro
85 90 95
Gly Val Leu Pro Glu Ile Asp Thr
100

<210> 282
<211> 98
<212> PRT
<213> Homo sapiens

<400> 282
Glu Leu Glu Val Glu Leu Leu Ile Thr Leu Ile Lys Ser Glu Lys Ala
1 5 10 15
Ser Leu Gly Phe Thr Val Thr Lys Gly Asn Gln Arg Ile Gly Cys Tyr
20 25 30
Val His Asp Val Ile Gln Asp Pro Ala Lys Ser Asp Gly Arg Leu Lys
35 40 45
Pro Gly Asp Arg Leu Ile Lys Val Asn Asp Thr Asp Val Thr Asn Met
50 55 60
Thr His Thr Asp Ala Val Asn Leu Leu Arg Ala Ala Ser Lys Thr Val
65 70 75 80
Arg Leu Val Ile Gly Arg Val Leu Glu Leu Pro Arg Ile Pro Met Leu
85 90 95
Pro His

<210> 283
<211> 94
<212> PRT
<213> Homo sapiens

<400> 283

Met Leu Pro His Leu Leu Pro Asp Ile Thr Leu Thr Cys Asn Lys Glu
1 5 10 15
Glu Leu Gly Phe Ser Leu Cys Gly Gly His Asp Ser Leu Tyr Gln Val
20 25 30
Val Tyr Ile Ser Asp Ile Asn Pro Arg Ser Val Ala Ala Ile Glu Gly
35 40 45
Asn Leu Gln Leu Leu Asp Val Ile His Tyr Val Asn Gly Val Ser Thr
50 55 60
Gln Gly Met Thr Leu Glu Glu Val Asn Arg Ala Leu Asp Met Ser Leu
65 70 75 80
Pro Ser Leu Val Leu Lys Ala Thr Arg Asn Asp Leu Pro Val
85 90

<210> 284
<211> 93
<212> PRT
<213> Homo sapiens

<400> 284
Arg Pro Ser Pro Pro Arg Val Arg Ser Val Glu Val Ala Arg Gly Arg
1 5 10 15
Ala Gly Tyr Gly Phe Thr Leu Ser Gly Gln Ala Pro Cys Val Leu Ser
20 25 30
Cys Val Met Arg Gly Ser Pro Ala Asp Phe Val Gly Leu Arg Ala Gly
35 40 45
Asp Gln Ile Leu Ala Val Asn Glu Ile Asn Val Lys Lys Ala Ser His
50 55 60
Glu Asp Val Val Lys Leu Ile Gly Lys Cys Ser Gly Val Leu His Met
65 70 75 80
Val Ile Ala Glu Gly Val Gly Arg Phe Glu Ser Cys Ser
85 90

<210> 285
<211> 96
<212> PRT
<213> Homo sapiens

<400> 285
Leu Cys Ser Glu Arg Arg Tyr Arg Gln Ile Thr Ile Pro Arg Gly Lys
1 5 10 15
Asp Gly Phe Gly Phe Thr Ile Cys Cys Asp Ser Pro Val Arg Val Gln
20 25 30
Ala Val Asp Ser Gly Gly Pro Ala Glu Arg Ala Gly Leu Gln Gln Leu
35 40 45
Asp Thr Val Leu Gln Leu Asn Glu Arg Pro Val Glu His Trp Lys Cys
50 55 60
Val Glu Leu Ala His Glu Ile Arg Ser Cys Pro Ser Glu Ile Ile Leu
65 70 75 80
Leu Val Trp Arg Met Val Pro Gln Val Lys Pro Gly Ile His Arg Asp
85 90 95

<210> 286
<211> 104
<212> PRT
<213> Homo sapiens

<400> 286
Ile Ser Phe Ser Ala Asn Lys Arg Trp Thr Pro Pro Arg Ser Ile Arg
1 5 10 15

Phe Thr Ala Glu Glu Gly Asp Leu Gly Phe Thr Leu Arg Gly Asn Ala
 20 25 30
 Pro Val Gln Val His Phe Leu Asp Pro Tyr Cys Ser Ala Ser Val Ala
 35 40 45
 Gly Ala Arg Glu Gly Asp Tyr Ile Val Ser Ile Gln Leu Val Asp Cys
 50 55 60
 Lys Trp Leu Thr Leu Ser Glu Val Met Lys Leu Leu Lys Ser Phe Gly
 65 70 75 80
 Glu Asp Glu Ile Glu Met Lys Val Val Ser Leu Leu Asp Ser Thr Ser
 85 90 95
 Ser Met His Asn Lys Ser Ala Thr
 100

<210> 287

<211> 109

<212> PRT

<213> Homo sapiens

<400> 287

Arg Gly Glu Lys Lys Asn Ser Ser Ser Gly Ile Ser Gly Ser Gln Arg
 1 5 10 15
 Arg Tyr Ile Gly Val Met Met Leu Thr Leu Ser Pro Ser Ile Leu Ala
 20 25 30
 Glu Leu Gln Leu Arg Glu Pro Ser Phe Pro Asp Val Gln His Gly Val
 35 40 45
 Leu Ile His Lys Val Ile Leu Gly Ser Pro Ala His Arg Ala Gly Leu
 50 55 60
 Arg Pro Gly Asp Val Ile Leu Ala Ile Gly Glu Gln Met Val Gln Asn
 65 70 75 80
 Ala Glu Asp Val Tyr Glu Ala Val Arg Thr Gln Ser Gln Leu Ala Val
 85 90 95
 Gln Ile Arg Arg Gly Arg Glu Thr Leu Thr Leu Tyr Val
 100 105

<210> 288

<211> 111

<212> PRT

<213> Homo sapiens

<400> 288

Glu Glu Lys Thr Val Val Leu Gln Lys Lys Asp Asn Glu Gly Phe Gly
 1 5 10 15
 Phe Val Leu Arg Gly Ala Lys Ala Asp Thr Pro Ile Glu Glu Phe Thr
 20 25 30
 Pro Thr Pro Ala Phe Pro Ala Leu Gln Tyr Leu Glu Ser Val Asp Glu
 35 40 45
 Gly Gly Val Ala Trp Gln Ala Gly Leu Arg Thr Gly Asp Phe Leu Ile
 50 55 60
 Glu Val Asn Asn Glu Asn Val Val Lys Val Gly His Arg Gln Val Val
 65 70 75 80
 Asn Met Ile Arg Gln Gly Gly Asn His Leu Val Leu Lys Val Val Thr
 85 90 95
 Val Thr Arg Asn Leu Asp Pro Asp Asp Thr Ala Arg Lys Lys Ala
 100 105 110

<210> 289

<211> 110

<212> PRT

<213> Homo sapiens

<400> 289

Ser Asp Tyr Val Ile Asp Asp Lys Val Ala Val Leu Gln Lys Arg Asp
1 5 10 15
His Glu Gly Phe Gly Phe Val Leu Arg Gly Ala Lys Ala Glu Thr Pro
20 25 30
Ile Glu Glu Phe Thr Pro Thr Pro Ala Phe Pro Ala Leu Gln Tyr Leu
35 40 45
Glu Ser Val Asp Val Glu Gly Val Ala Trp Arg Ala Gly Leu Arg Thr
50 55 60
Gly Asp Phe Leu Ile Glu Val Asn Gly Val Asn Val Val Lys Val Gly
65 70 75 80
His Lys Gln Val Val Ala Leu Ile Arg Gln Gly Gly Asn Arg Leu Val
85 90 95
Met Lys Val Val Ser Val Thr Arg Lys Pro Glu Glu Asp Gly
100 105 110

<210> 290

<211> 91

<212> PRT

<213> Homo sapiens

<400> 290

Ile Tyr Leu Glu Ala Phe Leu Glu Gly Gly Ala Pro Trp Gly Phe Thr
1 5 10 15
Leu Lys Gly Gly Leu Glu His Gly Glu Pro Leu Ile Ile Ser Lys Val
20 25 30
Glu Glu Gly Gly Lys Ala Asp Thr Leu Ser Ser Lys Leu Gln Ala Gly
35 40 45
Asp Glu Val Val His Ile Asn Glu Val Thr Leu Ser Ser Ser Arg Lys
50 55 60
Glu Ala Val Ser Leu Val Lys Gly Ser Tyr Lys Thr Leu Arg Leu Val
65 70 75 80
Val Arg Arg Asp Val Cys Thr Asp Pro Gly His
85 90

<210> 291

<211> 83

<212> PRT

<213> Homo sapiens

<400> 291

Ile Arg Leu Cys Arg Leu Val Arg Gly Glu Gln Gly Tyr Gly Phe His
1 5 10 15
Leu His Gly Glu Lys Gly Arg Arg Gly Gln Phe Ile Arg Arg Val Glu
20 25 30
Pro Gly Ser Pro Ala Glu Ala Ala Leu Arg Ala Gly Asp Arg Leu
35 40 45
Val Glu Val Asn Gly Val Asn Val Glu Gly Glu Thr His His Gln Val
50 55 60
Val Gln Arg Ile Lys Ala Val Glu Gly Gln Thr Arg Leu Leu Val Val
65 70 75 80
Asp Gln Asn

<210> 292

<211> 84

<212> PRT

<213> Homo sapiens

<400> 292
Ile Arg His Leu Arg Lys Gly Pro Gln Gly Tyr Gly Phe Asn Leu His
1 5 10 15
Ser Asp Lys Ser Arg Pro Gly Gln Tyr Ile Arg Ser Val Asp Pro Gly
20 25 30
Ser Pro Ala Ala Arg Ser Gly Leu Arg Ala Gln Asp Arg Leu Ile Glu
35 40 45
Val Asn Gly Gln Asn Val Glu Gly Leu Arg His Ala Glu Val Val Ala
50 55 60
Ser Ile Lys Ala Arg Glu Asp Glu Ala Arg Leu Leu Val Val Asp Pro
65 70 75 80
Glu Thr Asp Glu

<210> 293
<211> 92
<212> PRT
<213> Homo sapiens

<400> 293
Pro Gly Val Arg Glu Ile His Leu Cys Lys Asp Glu Arg Gly Lys Thr
1 5 10 15
Gly Leu Arg Leu Arg Lys Val Asp Gln Gly Leu Phe Val Gln Leu Val
20 25 30
Gln Ala Asn Thr Pro Ala Ser Leu Val Gly Leu Arg Phe Gly Asp Gln
35 40 45
Leu Leu Gln Ile Asp Gly Arg Asp Cys Ala Gly Trp Ser Ser His Lys
50 55 60
Ala His Gln Val Val Lys Lys Ala Ser Gly Asp Lys Ile Val Val Val
65 70 75 80
Val Arg Asp Arg Pro Phe Gln Arg Thr Val Thr Met
85 90

<210> 294
<211> 90
<212> PRT
<213> Homo sapiens

<400> 294
Pro Phe Gln Arg Thr Val Thr Met His Lys Asp Ser Met Gly His Val
1 5 10 15
Gly Phe Val Ile Lys Lys Gly Lys Ile Val Ser Leu Val Lys Gly Ser
20 25 30
Ser Ala Ala Arg Asn Gly Leu Leu Thr Asn His Tyr Val Cys Glu Val
35 40 45
Asp Gly Gln Asn Val Ile Gly Leu Lys Asp Lys Lys Ile Met Glu Ile
50 55 60
Leu Ala Thr Ala Gly Asn Val Val Thr Leu Thr Ile Ile Pro Ser Val
65 70 75 80
Ile Tyr Glu His Ile Val Glu Phe Ile Val
85 90

<210> 295
<211> 109
<212> PRT
<213> Homo sapiens

<400> 295

Leu Lys Glu Lys Thr Val Leu Leu Gln Lys Lys Asp Ser Glu Gly Phe
1 5 10 15
Gly Phe Val Leu Arg Gly Ala Lys Ala Gln Thr Pro Ile Glu Glu Phe
20 25 30
Thr Pro Thr Pro Ala Phe Pro Ala Leu Gln Tyr Leu Glu Ser Val Asp
35 40 45
Glu Gly Gly Val Ala Trp Arg Ala Gly Leu Arg Met Gly Asp Phe Leu
50 55 60
Ile Glu Val Asn Gly Gln Asn Val Val Lys Val Gly His Arg Gln Val
65 70 75 80
Val Asn Met Ile Arg Gln Gly Gly Asn Thr Leu Met Val Lys Val Val
85 90 95
Met Val Thr Arg His Pro Asp Met Asp Glu Ala Val Gln
100 105

<210> 296

<211> 88

<212> PRT

<213> Homo sapiens

<400> 296

Leu Glu Ile Lys Gln Gly Ile Arg Glu Val Ile Leu Cys Lys Asp Gln
1 5 10 15
Asp Gly Lys Ile Gly Leu Arg Leu Lys Ser Ile Asp Asn Gly Ile Phe
20 25 30
Val Gln Leu Val Gln Ala Asn Ser Pro Ala Ser Leu Val Gly Leu Arg
35 40 45
Phe Gly Asp Gln Val Leu Gln Ile Asn Gly Glu Asn Cys Ala Gly Trp
50 55 60
Ser Ser Asp Lys Ala His Lys Val Leu Lys Gln Ala Phe Gly Glu Lys
65 70 75 80
Ile Thr Met Arg Ile His Arg Asp
85

<210> 297

<211> 75

<212> PRT

<213> Homo sapiens

<400> 297

Arg Asp Arg Pro Phe Glu Arg Thr Ile Thr Met His Lys Asp Ser Thr
1 5 10 15
Gly His Val Gly Phe Ile Phe Lys Asn Gly Lys Ile Thr Ser Ile Val
20 25 30
Lys Asp Ser Ser Ala Ala Arg Asn Gly Leu Leu Thr Glu His Asn Ile
35 40 45
Cys Glu Ile Asn Gly Gln Asn Val Ile Gly Leu Lys Asp Ser Gln Ile
50 55 60
Ala Asp Ile Leu Ser Thr Ser Gly Asn Ser Ser
65 70 75

<210> 298

<211> 94

<212> PRT

<213> Homo sapiens

<400> 298

Gln Arg Arg Arg Val Thr Val Arg Lys Ala Asp Ala Gly Gly Leu Gly
1 5 10 15

Ile Ser Ile Lys Gly Gly Arg Glu Asn Lys Met Pro Ile Leu Ile Ser
20 25 30
Lys Ile Phe Lys Gly Leu Ala Ala Asp Gln Thr Glu Ala Leu Phe Val
35 40 45
Gly Asp Ala Ile Leu Ser Val Asn Gly Glu Asp Leu Ser Ser Ala Thr
50 55 60
His Asp Glu Ala Val Gln Val Leu Lys Lys Thr Gly Lys Glu Val Val
65 70 75 80
Leu Glu Val Lys Tyr Met Lys Asp Val Ser Pro Tyr Phe Lys
85 90

<210> 299

<211> 89

<212> PRT

<213> Homo sapiens

<400> 299

Ile Arg Val Val Lys Gln Glu Ala Gly Gly Leu Gly Ile Ser Ile Lys
1 5 10 15
Gly Gly Arg Glu Asn Arg Met Pro Ile Leu Ile Ser Lys Ile Phe Pro
20 25 30
Gly Leu Ala Ala Asp Gln Ser Arg Ala Leu Arg Leu Gly Asp Ala Ile
35 40 45
Leu Ser Val Asn Gly Thr Asp Leu Arg Gln Ala Thr His Asp Gln Ala
50 55 60
Val Gln Ala Leu Lys Arg Ala Gly Lys Glu Val Leu Leu Glu Val Lys
65 70 75 80
Phe Ile Arg Glu Phe Ile Val Thr Asp
85

<210> 300

<211> 101

<212> PRT

<213> Homo sapiens

<400> 300

Glu Pro Phe Tyr Ser Gly Glu Arg Thr Val Thr Ile Arg Arg Gln Thr
1 5 10 15
Val Gly Gly Phe Gly Leu Ser Ile Lys Gly Gly Ala Glu His Asn Ile
20 25 30
Pro Val Val Val Ser Lys Ile Ser Lys Glu Gln Arg Ala Glu Leu Ser
35 40 45
Gly Leu Leu Phe Ile Gly Asp Ala Ile Leu Gln Ile Asn Gly Ile Asn
50 55 60
Val Arg Lys Cys Arg His Glu Glu Val Val Gln Val Leu Arg Asn Ala
65 70 75 80
Gly Glu Glu Val Thr Leu Thr Val Ser Phe Leu Lys Arg Ala Pro Ala
85 90 95
Phe Leu Lys Leu Pro
100

<210> 301

<211> 99

<212> PRT

<213> Homo sapiens

<400> 301

Ser His Gln Gly Arg Asn Arg Arg Thr Val Thr Leu Arg Arg Gln Pro
1 5 10 15

Val Gly Gly Leu Gly Leu Ser Ile Lys Gly Gly Ser Glu His Asn Val
20 25 30
Pro Val Val Ile Ser Lys Ile Phe Glu Asp Gln Ala Ala Asp Gln Thr
35 40 45
Gly Met Leu Phe Val Gly Asp Ala Val Leu Gln Val Asn Gly Ile His
50 55 60
Val Glu Asn Ala Thr His Glu Glu Val Val His Leu Leu Arg Asn Ala
65 70 75 80
Gly Asp Glu Val Thr Ile Thr Val Glu Tyr Leu Arg Glu Ala Pro Ala
85 90 95
Phe Leu Lys

<210> 302

<211> 91

<212> PRT

<213> Homo sapiens

<400> 302

Arg Gly Glu Thr Lys Glu Val Glu Val Thr Lys Thr Glu Asp Ala Leu
1 5 10 15
Gly Leu Thr Ile Thr Asp Asn Gly Ala Gly Tyr Ala Phe Ile Lys Arg
20 25 30
Ile Lys Glu Gly Ser Ile Ile Asn Arg Ile Glu Ala Val Cys Val Gly
35 40 45
Asp Ser Ile Glu Ala Ile Asn Asp His Ser Ile Val Gly Cys Arg His
50 55 60
Tyr Glu Val Ala Lys Met Leu Arg Glu Leu Pro Lys Ser Gln Pro Phe
65 70 75 80
Thr Leu Arg Leu Val Gln Pro Lys Arg Ala Phe
85 90

<210> 303

<211> 88

<212> PRT

<213> Homo sapiens

<400> 303

His Ser Ile His Ile Glu Lys Ser Asp Thr Ala Ala Asp Thr Tyr Gly
1 5 10 15
Phe Ser Leu Ser Ser Val Glu Glu Asp Gly Ile Arg Arg Leu Tyr Val
20 25 30
Asn Ser Val Lys Glu Thr Gly Leu Ala Ser Lys Lys Gly Leu Lys Ala
35 40 45
Gly Asp Glu Ile Leu Glu Ile Asn Asn Arg Ala Ala Asp Ala Leu Asn
50 55 60
Ser Ser Met Leu Lys Asp Phe Leu Ser Gln Pro Ser Leu Gly Leu Leu
65 70 75 80
Val Arg Thr Tyr Pro Glu Leu Glu
85

<210> 304

<211> 97

<212> PRT

<213> Homo sapiens

<400> 304

Pro Leu Asn Val Tyr Asp Val Gln Leu Thr Lys Thr Gly Ser Val Cys
1 5 10 15

Asp Phe Gly Phe Ala Val Thr Ala Gln Val Asp Glu Arg Gln His Leu
20 25 30
Ser Arg Ile Phe Ile Ser Asp Val Leu Pro Asp Gly Leu Ala Tyr Gly
35 40 45
Glu Gly Leu Arg Lys Gly Asn Glu Ile Met Thr Leu Asn Gly Glu Ala
50 55 60
Val Ser Asp Leu Asp Leu Lys Gln Met Glu Ala Leu Phe Ser Glu Lys
65 70 75 80
Ser Val Gly Leu Thr Leu Ile Ala Arg Pro Pro Asp Thr Lys Ala Thr
85 90 95
Leu

<210> 305
<211> 103
<212> PRT
<213> Homo sapiens

<400> 305
Gln Arg Val Glu Ile His Lys Leu Arg Gln Gly Glu Asn Leu Ile Leu
1 5 10 15
Gly Phe Ser Ile Gly Gly Ile Asp Gln Asp Pro Ser Gln Asn Pro
20 25 30
Phe Ser Glu Asp Lys Thr Asp Lys Gly Ile Tyr Val Thr Arg Val Ser
35 40 45
Glu Gly Gly Pro Ala Glu Ile Ala Gly Leu Gln Ile Gly Asp Lys Ile
50 55 60
Met Gln Val Asn Gly Trp Asp Met Thr Met Val Thr His Asp Gln Ala
65 70 75 80
Arg Lys Arg Leu Thr Lys Arg Ser Glu Glu Val Val Arg Leu Leu Val
85 90 95
Thr Arg Gln Ser Leu Gln Lys
100

<210> 306
<211> 86
<212> PRT
<213> Homo sapiens

<400> 306
Arg Lys Glu Val Glu Val Phe Lys Ser Glu Asp Ala Leu Gly Leu Thr
1 5 10 15
Ile Thr Asp Asn Gly Ala Gly Tyr Ala Phe Ile Lys Arg Ile Lys Glu
20 25 30
Gly Ser Val Ile Asp His Ile His Leu Ile Ser Val Gly Asp Met Ile
35 40 45
Glu Ala Ile Asn Gly Gln Ser Leu Leu Gly Cys Arg His Tyr Glu Val
50 55 60
Ala Arg Leu Leu Lys Glu Leu Pro Arg Gly Arg Thr Phe Thr Leu Lys
65 70 75 80
Leu Thr Glu Pro Arg Lys
85

<210> 307
<211> 91
<212> PRT
<213> Homo sapiens

<400> 307

His	Ser	His	Pro	Arg	Val	Val	Glu	Leu	Pro	Lys	Thr	Asp	Glu	Gly	Leu
1					5				10					15	
Gly	Phe	Asn	Val	Met	Gly	Gly	Lys	Glu	Gln	Asn	Ser	Pro	Ile	Tyr	Ile
					20				25					30	
Ser	Arg	Ile	Ile	Pro	Gly	Gly	Val	Ala	Glu	Arg	His	Gly	Gly	Leu	Lys
					35				40					45	
Arg	Gly	Asp	Gln	Leu	Leu	Ser	Val	Asn	Gly	Val	Ser	Val	Glu	Gly	Glu
					50				55					60	
His	His	Glu	Lys	Ala	Val	Glu	Leu	Leu	Lys	Ala	Ala	Lys	Asp	Ser	Val
					65				70					75	
Lys	Leu	Val	Val	Arg	Tyr	Thr	Pro	Lys	Val	Leu					80
					85				90						

<210> 308

<211> 96

<212> PRT

<213> Homo sapiens

<400> 308

Ile	Ser	Asn	Gln	Lys	Arg	Gly	Val	Lys	Val	Leu	Lys	Gln	Glu	Leu	Gly
1					5				10				15		
Gly	Leu	Gly	Ile	Ser	Ile	Lys	Gly	Gly	Lys	Glu	Asn	Lys	Met	Pro	Ile
					20				25				30		
Leu	Ile	Ser	Lys	Ile	Phe	Lys	Gly	Leu	Ala	Ala	Asp	Gln	Thr	Gln	Ala
					35				40				45		
Leu	Tyr	Val	Gly	Asp	Ala	Ile	Leu	Ser	Val	Asn	Gly	Ala	Asp	Leu	Arg
					50				55				60		
Asp	Ala	Thr	His	Asp	Glu	Ala	Val	Gln	Ala	Leu	Lys	Arg	Ala	Gly	Lys
					65				70				75		80
Glu	Val	Leu	Leu	Glu	Val	Lys	Tyr	Met	Arg	Glu	Ala	Thr	Pro	Tyr	Val
					85				90				95		

<210> 309

<211> 110

<212> PRT

<213> Homo sapiens

<400> 309

Ile	His	Phe	Ser	Asn	Ser	Glu	Asn	Cys	Lys	Glu	Leu	Gln	Leu	Glu	Lys
1						5			10				15		
His	Lys	Gly	Glu	Ile	Leu	Gly	Val	Val	Val	Val	Glu	Ser	Gly	Trp	Gly
					20				25				30		
Ser	Ile	Leu	Pro	Thr	Val	Ile	Leu	Ala	Asn	Met	Met	Asn	Gly	Gly	Pro
					35				40				45		
Ala	Ala	Arg	Ser	Gly	Lys	Leu	Ser	Ile	Gly	Asp	Gln	Ile	Met	Ser	Ile
					50				55				60		
Asn	Gly	Thr	Ser	Leu	Val	Gly	Leu	Pro	Leu	Ala	Thr	Cys	Gln	Gly	Ile
					65				70				75		80
Ile	Lys	Gly	Leu	Lys	Asn	Gln	Thr	Gln	Val	Lys	Leu	Asn	Ile	Val	Ser
					85				90				95		
Cys	Pro	Pro	Val	Thr	Val	Leu	Ile	Lys	Arg	Asn	Ser	Ser			
					100				105				110		

<210> 310

<211> 94

<212> PRT

<213> Homo sapiens

<400> 310

Ile	Pro	Pro	Val	Thr	Val	Leu	Ile	Lys	Arg	Pro	Asp	Leu	Lys	Tyr	
1			5				10		15						
Gln	Leu	Gly	Phe	Ser	Val	Gln	Asn	Gly	Ile	Ile	Cys	Ser	Leu	Met	Arg
			20			25							30		
Gly	Gly	Ile	Ala	Glu	Arg	Gly	Gly	Val	Arg	Val	Gly	His	Arg	Ile	Ile
			35			40			45						
Glu	Ile	Asn	Gly	Gln	Ser	Val	Val	Ala	Thr	Ala	His	Glu	Lys	Ile	Val
			50			55			60						
Gln	Ala	Leu	Ser	Asn	Ser	Val	Gly	Glu	Ile	His	Met	Lys	Thr	Met	Pro
			65			70			75			80			
Ala	Ala	Met	Phe	Arg	Leu	Leu	Thr	Gly	Gln	Glu	Asn	Ser	Ser		
			85			90									

<210> 311

<211> 101

<212> PRT

<213> Homo sapiens

<400> 311

Ile	Trp	Glu	Gln	His	Thr	Val	Thr	Leu	His	Arg	Ala	Pro	Gly	Phe	Gly
1				5				10		15					
Phe	Gly	Ile	Ala	Ile	Ser	Gly	Gly	Arg	Asp	Asn	Pro	His	Phe	Gln	Ser
				20			25					30			
Gly	Glu	Thr	Ser	Ile	Val	Ile	Ser	Asp	Val	Leu	Lys	Gly	Gly	Pro	Ala
				35			40			45					
Glu	Gly	Gln	Leu	Gln	Glu	Asn	Asp	Arg	Val	Ala	Met	Val	Asn	Gly	Val
				50			55			60					
Ser	Met	Asp	Asn	Val	Glu	His	Ala	Phe	Ala	Val	Gln	Gln	Leu	Arg	Lys
				65			70			75			80		
Ser	Gly	Lys	Asn	Ala	Lys	Ile	Thr	Ile	Arg	Arg	Lys	Lys	Lys	Val	Gln
					85			90			95				
Ile	Pro	Asn	Ser	Ser											
				100											

<210> 312

<211> 95

<212> PRT

<213> Homo sapiens

<400> 312

Ile	Ser	Ser	Gln	Pro	Ala	Lys	Pro	Thr	Lys	Val	Thr	Leu	Val	Lys	Ser
1				5				10			15				
Arg	Lys	Asn	Glu	Glu	Tyr	Gly	Leu	Arg	Leu	Ala	Ser	His	Ile	Phe	Val
				20			25			30					
Lys	Glu	Ile	Ser	Gln	Asp	Ser	Leu	Ala	Ala	Arg	Asp	Gly	Asn	Ile	Gln
				35			40			45					
Glu	Gly	Asp	Val	Val	Leu	Lys	Ile	Asn	Gly	Thr	Val	Thr	Glu	Asn	Met
				50			55			60					
Ser	Leu	Thr	Asp	Ala	Lys	Thr	Leu	Ile	Glu	Arg	Ser	Lys	Gly	Lys	Leu
				65			70			75			80		
Lys	Met	Val	Val	Gln	Arg	Asp	Arg	Ala	Thr	Leu	Leu	Asn	Ser	Ser	
					85			90			95				

<210> 313

<211> 90

<212> PRT

<213> Homo sapiens

<400> 313

Ile Arg Met Lys Leu Val Lys Phe Arg Lys Gly Asp Ser Val Gly Leu
1 5 10 15
Arg Leu Ala Gly Gly Asn Asp Val Gly Ile Phe Val Ala Gly Val Leu
20 25 30
Glu Asp Ser Pro Ala Ala Lys Glu Gly Leu Glu Glu Gly Asp Gln Ile
35 40 45
Leu Arg Val Asn Asn Val Asp Phe Thr Asn Ile Ile Arg Glu Glu Ala
50 55 60
Val Leu Phe Leu Leu Asp Leu Pro Lys Gly Glu Glu Val Thr Ile Leu
65 70 75 80
Ala Gln Lys Lys Lys Asp Val Phe Ser Asn
85 90

<210> 314
<211> 96
<212> PRT
<213> Homo sapiens

<400> 314
Leu Ile Trp Glu Gln Tyr Thr Val Thr Leu Gln Lys Asp Ser Lys Arg
1 5 10 15
Gly Phe Gly Ile Ala Val Ser Gly Gly Arg Asp Asn Pro His Phe Glu
20 25 30
Asn Gly Glu Thr Ser Ile Val Ile Ser Asp Val Leu Pro Gly Gly Pro
35 40 45
Ala Asp Gly Leu Leu Gln Glu Asn Asp Arg Val Val Met Val Asn Gly
50 55 60
Thr Pro Met Glu Asp Val Leu His Ser Phe Ala Val Gln Gln Leu Arg
65 70 75 80
Lys Ser Gly Lys Val Ala Ala Ile Val Val Lys Arg Pro Arg Lys Val
85 90 95

<210> 315
<211> 79
<212> PRT
<213> Homo sapiens

<400> 315
Arg Val Leu Leu Met Lys Ser Arg Ala Asn Glu Glu Tyr Gly Leu Arg
1 5 10 15
Leu Gly Ser Gln Ile Phe Val Lys Glu Met Thr Arg Thr Gly Leu Ala
20 25 30
Thr Lys Asp Gly Asn Leu His Glu Gly Asp Ile Ile Leu Lys Ile Asn
35 40 45
Gly Thr Val Thr Glu Asn Met Ser Leu Thr Asp Ala Arg Lys Leu Ile
50 55 60
Glu Lys Ser Arg Gly Lys Leu Gln Leu Val Val Leu Arg Asp Ser
65 70 75

<210> 316
<211> 90
<212> PRT
<213> Homo sapiens

<400> 316
His Ala Pro Asn Thr Lys Met Val Arg Phe Lys Lys Gly Asp Ser Val
1 5 10 15
Gly Leu Arg Leu Ala Gly Gly Asn Asp Val Gly Ile Phe Val Ala Gly
20 25 30

Ile Gln Glu Gly Thr Ser Ala Glu Gln Glu Gly Leu Gln Glu Gly Asp
35 40 45
Gln Ile Leu Lys Val Asn Thr Gln Asp Phe Arg Gly Leu Val Arg Glu
50 55 60
Asp Ala Val Leu Tyr Leu Leu Glu Ile Pro Lys Gly Glu Met Val Thr
65 70 75 80
Ile Leu Ala Gln Ser Arg Ala Asp Val Tyr
85 90

<210> 317
<211> 106
<212> PRT
<213> Homo sapiens

<400> 317
Ile Pro Gly Asn Ser Thr Ile Trp Glu Gln His Thr Ala Thr Leu Ser
1 5 10 15
Lys Asp Pro Arg Arg Gly Phe Gly Ile Ala Ile Ser Gly Gly Arg Asp
20 25 30
Arg Pro Gly Gly Ser Met Val Val Ser Asp Val Val Pro Gly Gly Pro
35 40 45
Ala Glu Gly Arg Leu Gln Thr Gly Asp His Ile Val Met Val Asn Gly
50 55 60
Val Ser Met Glu Asn Ala Thr Ser Ala Phe Ala Ile Gln Ile Leu Lys
65 70 75 80
Thr Cys Thr Lys Met Ala Asn Ile Thr Val Lys Arg Pro Arg Arg Ile
85 90 95
His Leu Pro Ala Glu Phe Ile Val Thr Asp
100 105

<210> 318
<211> 98
<212> PRT
<213> Homo sapiens

<400> 318
Gln Asp Val Gln Met Lys Pro Val Lys Ser Val Leu Val Lys Arg Arg
1 5 10 15
Asp Ser Glu Glu Phe Gly Val Lys Leu Gly Ser Gln Ile Phe Ile Lys
20 25 30
His Ile Thr Asp Ser Gly Leu Ala Ala Arg His Arg Gly Leu Gln Glu
35 40 45
Gly Asp Leu Ile Leu Gln Ile Asn Gly Val Ser Ser Gln Asn Leu Ser
50 55 60
Leu Asn Asp Thr Arg Arg Leu Ile Glu Lys Ser Glu Gly Lys Leu Ser
65 70 75 80
Leu Leu Val Leu Arg Asp Arg Gly Gln Phe Leu Val Asn Ile Pro Asn
85 90 95
Ser Ser

<210> 319
<211> 104
<212> PRT
<213> Homo sapiens

<400> 319
Arg Gly Tyr Ser Pro Asp Thr Arg Val Val Arg Phe Leu Lys Gly Lys
1 5 10 15

Ser Ile Gly Leu Arg Leu Ala Gly Gly Asn Asp Val Gly Ile Phe Val
 20 25 30
 Ser Gly Val Gln Ala Gly Ser Pro Ala Asp Gly Gln Gly Ile Gln Glu
 35 40 45
 Gly Asp Gln Ile Leu Gln Val Asn Asp Val Pro Phe Gln Asn Leu Thr
 50 55 60
 Arg Glu Glu Ala Val Gln Phe Leu Leu Gly Leu Pro Pro Gly Glu Glu
 65 70 75 80
 Met Glu Leu Val Thr Gln Arg Lys Gln Asp Ile Phe Trp Lys Met Val
 85 90 95
 Gln Ser Glu Phe Ile Val Thr Asp
 100

<210> 320

<211> 72

<212> PRT

<213> Homo sapiens

<400> 320

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
 1 5 10 15
 Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
 20 25 30
 Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
 35 40 45
 Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
 50 55 60
 Gln Ser Ile Pro Ile Gly Ala Ser
 65 70

<210> 321

<211> 76

<212> PRT

<213> Homo sapiens

<400> 321

Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr
 1 5 10 15
 Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu
 20 25 30
 Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu Thr Gly Asp
 35 40 45
 Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His Thr His Ala
 50 55 60
 Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly
 65 70 75

<210> 322

<211> 85

<212> PRT

<213> Homo sapiens

<400> 322

Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr
 1 5 10 15
 Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu
 20 25 30
 Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu Thr Gly Asp
 35 40 45

Val	Ile	Val	Ser	Val	Asn	Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala
50												60			
Gln	Val	Val	Lys	Ile	Phe	Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser	Val	Asp
65												75			80
Leu	Glu	Leu	Cys	Arg											
					85										

<210> 323
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 323															
Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu	Pro
1													15		
Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala	Ala
													30		
Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn	Asp
													45		
Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe	Gln
													60		
Ser	Ile	Pro	Ile	Gly	Ala	Ser	Val	Asp	Leu	Glu	Leu	Cys	Arg		
65												75			

<210> 324
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 324															
Phe	Ile	His	Thr	Lys	Leu	Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr
1													15		
Val	Val	Gly	Gly	Asp	Glu	Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu
													30		
Val	Leu	Asp	Gly	Pro	Ala	Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp
													45		
Val	Ile	Val	Ser	Val	Asn	Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala
													60		
Gln	Val	Val	Lys	Ile	Phe	Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser	Val	Asp
65													80		
Leu	Glu	Leu	Cys	Arg	Gly	Tyr	Pro								
					85										

<210> 325
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 325															
Lys	Gly	Lys	Phe	Ile	His	Thr	Lys	Leu	Arg	Lys	Ser	Ser	Arg	Gly	Phe
1													15		
Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu	Pro	Asp	Glu	Phe	Leu	Gln	Ile
													30		
Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala	Ala	Leu	Asp	Gly	Lys	Met	Glu
													45		
Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn	Asp	Thr	Cys	Val	Leu	Gly	His
													60		
Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe	Gln	Ser	Ile	Pro	Ile	Gly	Ala
65													80		

Ser Val Asp Leu Glu Leu Cys Arg
85

<210> 326
<211> 81
<212> PRT
<213> Homo sapiens

<400> 326
Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe
1 5 10 15
Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile
20 25 30
Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu
35 40 45
Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His
50 55 60
Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly Ala
65 70 75 80
Ser

<210> 327
<211> 94
<212> PRT
<213> Homo sapiens

<400> 327
Glu Leu Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg
1 5 10 15
Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu
20 25 30
Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys
35 40 45
Met Glu Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys Val Leu
50 55 60
Gly His Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile
65 70 75 80
Gly Ala Ser Val Asp Leu Glu Leu Cys Arg Gly Tyr Pro Leu
85 90

<210> 328
<211> 99
<212> PRT
<213> Homo sapiens

<400> 328
Ser Glu Leu Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser Ser
1 5 10 15
Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu Phe
20 25 30
Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp Gly
35 40 45
Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys Val
50 55 60
Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile Pro
65 70 75 80
Ile Gly Ala Ser Val Asp Leu Glu Leu Cys Arg Gly Tyr Pro Leu Pro
85 90 95

Phe Asp Pro

<210> 329

<211> 72

<212> PRT

<213> Homo sapiens

<400> 329

Arg	Lys	Ser	Ala	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
	20						25						30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
	35					40						45			
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
	50					55					60				
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65					70										

<210> 330

<211> 72

<212> PRT

<213> Homo sapiens

<400> 330

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Glu	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
	20						25						30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
	35					40						45			
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
	50					55					60				
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65					70										

<210> 331

<211> 72

<212> PRT

<213> Homo sapiens

<400> 331

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Leu	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
	20						25						30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
	35					40						45			
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
	50					55					60				
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65					70										

<210> 332

<211> 72

<212> PRT

<213> Homo sapiens

<400> 332

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
				20				25					30		
Ser	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Ser	Val	Asn	
				35				40					45		
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
				50				55				60			
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
				65			70								

<210> 333

<211> 72
<212> PRT
<213> Homo sapiens

<400> 333

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
				20				25					30		
Ala	Leu	Asp	Gly	Arg	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
				35				40					45		
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
				50				55			60				
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
				65			70								

<210> 334

<211> 72
<212> PRT
<213> Homo sapiens

<400> 334

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
				20				25					30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ala	Val	Asn
				35				40					45		
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
				50				55			60				
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
				65			70								

<210> 335

<211> 72
<212> PRT
<213> Homo sapiens

<400> 335

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
1				5					10					15	
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
				20				25					30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
				35				40					45		

Glu Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 336
<211> 72
<212> PRT
<213> Homo sapiens

<400> 336
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Leu Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 337
<211> 72
<212> PRT
<213> Homo sapiens

<400> 337
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ser Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 338
<211> 72
<212> PRT
<213> Homo sapiens

<400> 338
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Leu Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 339
<211> 72

<212> PRT

<213> Homo sapiens

<400> 339

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ser Ser
65 70

<210> 340

<211> 72

<212> PRT

<213> Homo sapiens

<400> 340

Arg Lys Ser Thr Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 341

<211> 72

<212> PRT

<213> Homo sapiens

<400> 341

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Gly Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 342

<211> 72

<212> PRT

<213> Homo sapiens

<400> 342

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Ala Leu Asp Gly Pro Ala
20 25 30

Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 343
<211> 72
<212> PRT
<213> Homo sapiens

<400> 343
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Ala Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 344
<211> 72
<212> PRT
<213> Homo sapiens

<400> 344
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Ala Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 345
<211> 72
<212> PRT
<213> Homo sapiens

<400> 345
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Ala Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 346
<211> 72
<212> PRT
<213> Homo sapiens

<400> 346
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Ala Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 347
<211> 72
<212> PRT
<213> Homo sapiens

<400> 347
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Ala Ile Gly Ala Ser
65 70

<210> 348
<211> 72
<212> PRT
<213> Homo sapiens

<400> 348
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ala
65 70

<210> 349
<211> 72
<212> PRT
<213> Homo sapiens

<400> 349
Arg Lys Ser Ser Ser Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15

Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 350

<211> 72

<212> PRT

<213> Homo sapiens

<400> 350

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Leu Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 351

<211> 72

<212> PRT

<213> Homo sapiens

<400> 351

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Thr Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 352

<211> 72

<212> PRT

<213> Homo sapiens

<400> 352

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Gly Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 353
<211> 72
<212> PRT
<213> Homo sapiens

<400> 353
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Ser Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 354
<211> 72
<212> PRT
<213> Homo sapiens

<400> 354
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Lys
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 355
<211> 72
<212> PRT
<213> Homo sapiens

<400> 355
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Phe His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 356
<211> 72
<212> PRT
<213> Homo sapiens

<400> 356

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Asn Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Gly Ala Ser
65 70

<210> 357

<211> 72

<212> PRT

<213> Homo sapiens

<400> 357

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu
1 5 10 15
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala
20 25 30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn
35 40 45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe
50 55 60
Gln Ser Ile Pro Ile Ser Ala Ser
65 70